

UGC NET 23rd June 2026 Shift 1_Paper 1

Q1. If in the year 2021, the expenditure of Company A was equal to the expenditure of Company B, then what was the ratio of their respective incomes?

The following table shows the percent (%) profit earned by two companies A and B over the six years from 2018 to 2023. Based on the data in the table, answer the questions that follow.

Year-wise Profit details of Two Companies		
Year	Percent (%) Profit Earned by Company	
	A	B
2018	40%	25%
2019	25%	30%
2020	30%	50%
2021	60%	45%
2022	45%	30%
2023	50%	40%

Note:

$$\text{Profit \%} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

- (a) 3 : 2
- (b) 32 : 29
- (c) 2 : 5
- (d) 7 : 5

Ans.(b)

Q2. In the year 2022, if the income of Company B was ₹ 52 Crore and the expenditures of both the Companies A and B were the same, then what was the average income of both the companies A and B?

The following table shows the percent (%) profit earned by two companies A and B over the six years from 2018 to 2023. Based on the data in the table, answer the questions that follow.

Year-wise Profit details of Two Companies		
Year	Percent (%) Profit Earned by Company	
	A	B
2018	40%	25%
2019	25%	30%
2020	30%	50%
2021	60%	45%
2022	45%	30%
2023	50%	40%

Note:

$$\text{Profit \%} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

- (a) ₹ 22 Crore
- (b) ₹ 33 Crore
- (c) ₹ 55 Crore
- (d) ₹ 44 Crore

Ans.(c)

Q3. In the year 2023, if the income of Company B was ₹ 70 Crores, then what was the expenditure of the Company B in that year?

The following table shows the percent (%) profit earned by two companies A and B over the six years from 2018 to 2023. Based on the data in the table, answer the questions that follow.

Year-wise Profit details of Two Companies		
Year	Percent (%) Profit Earned by Company	
	A	B
2018	40%	25%
2019	25%	30%
2020	30%	50%
2021	60%	45%
2022	45%	30%
2023	50%	40%

Note:

$$\text{Profit \%} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

- (a) ₹ 20 Crore
 (b) ₹ 30 Crore
 (c) ₹ 40 Crore
 (d) ₹ 50 Crore

Ans.(d)

Q4. If the ratio of expenditures of Company A in 2019 and 2023 is 4 : 3, then the income of Company A in 2019 is ____% more than the income of Company A in 2023.

The following table shows the percent (%) profit earned by two companies A and B over the six years from 2018 to 2023. Based on the data in the table, answer the questions that follow.

Year-wise Profit details of Two Companies		
Year	Percent (%) Profit Earned by Company	
	A	B
2018	40%	25%
2019	25%	30%
2020	30%	50%
2021	60%	45%
2022	45%	30%
2023	50%	40%

Note:

$$\text{Profit \%} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

- (a) 70%
 (b) 80%
 (c) 40%
 (d) 100%

Ans.(d)

Q5. For Company B, if the income in the year 2018 was equal to the expenditure in the year 2020, then what was the ratio of income of B in 2018 to that in 2020?

The following table shows the percent (%) profit earned by two companies A and B over the six years from 2018 to 2023. Based on the data in the table, answer the questions that follow.

Year-wise Profit details of Two Companies		
Year	Percent (%) Profit Earned by Company	
	A	B
2018	40%	25%
2019	25%	30%
2020	30%	50%
2021	60%	45%
2022	45%	30%
2023	50%	40%

Note:

$$\text{Profit \%} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

- (a) 2 : 3
- (b) 3 : 2
- (c) 2 : 5
- (d) 5 : 2

Ans.(a)

Q6. The average of 15 numbers is 55. Four numbers 25,12,15 and 36 were removed. What will be the new average?

- (a) 64
- (b) 59
- (c) 67
- (d) 53

Ans.(c)

Q7. What are the learning styles according to Fleming's VARK model of learning?

- (a) Verbal, Auxiliary, Rehearsal, Kinesthetic
- (b) Visual, Auditory, Reading/writing, Kinesthetic
- (c) Verbal, Augmentative, Retrospective, Kinetic
- (d) Visual, Augmentary, Reading, Kinetic

Ans.(b)

Q8. The difference between compound interest, compounded annually and simple interest on a sum of ₹48,00,000 for 2 years at 5% per annum payable yearly (in ₹) is:

- (a) 14,000
- (b) 15,000
- (c) 14,500
- (d) 12,000

Ans.(d)

Q9. Which of the following correctly represents Maslow's Hierarchy of Needs in ascending order, from basic to highest?

- (a) Safety → Physiological → Belongingness → Esteem → Self-Actualization
- (b) Physiological → Safety → Belongingness → Esteem → Self-Actualization
- (c) Physiological → Belongingness → Safety → Self-Actualization → Esteem
- (d) Safety → Esteem → Belongingness → Physiological → Self-Actualization

Ans.(b)

Q10. Statement I: Project method is best associated with the Philosophy of John Dewey.

Statement II: The strength of Project method lies in social participation.

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

Given below are two statements:

- (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.

Ans.(a)

Q11. If the difference between a discount of 35% and two successive discounts of 20% on a certain bill is Rs. 22 , then the amount of the bill is:

- (a) Rs. 2,200
- (b) Rs. 1,100
- (c) Rs. 1,000
- (d) Rs. 1,500

Ans.(a)

Q12. Which of the following correctly represents the REVISED Bloom's Taxonomy in ascending order?

- (a) Knowledge → Comprehension → Application → Analysis → Synthesis → Evaluation
- (b) Remember → Understand → Apply → Analyze → Create → Evaluate
- (c) Remember → Understand → Apply → Analyze → Evaluate → Create
- (d) Recall → Comprehend → Apply → Synthesize → Evaluate → Create

Ans.(c)

Q13. Find the greatest five-digit number that on being divided by 8, 12 and 15 leaves 5, 9 and 12 as remainders, respectively.

- (a) 99957
- (b) 99975
- (c) 99967
- (d) 99947

Ans.(a)

Q14. Effectiveness of teaching depends on:

- (a) Qualification of teacher
- (b) Handwriting of teacher
- (c) Personality of teacher
- (d) Ability of teachers to explain the concept to the learners

Ans.(d)

Q15. In the context of digital images, what does the abbreviation 'JPEG' stand for?

- (a) Joint Photographic Experts Group
- (b) Jumbled Picture Electronic Graphic
- (c) Joint Picture Encoding Guide
- (d) Justified Photographic Electronic Grid

Ans.(a)

Q16. Match the following ancient Indian texts with their associated authors/compiler:

List-I (Text)	List-II (Author/Compiler)
1. Ashtadhyayi	A. Patanjali
2. Mahabhashya	B. Panini
3. Arthashastra	C. Bharata Muni
4. Natyashastra	D. Kautilya (Chanakya)

Codes:

- (a) 1-B, 2-A, 3-D, 4-C
- (b) 1-A, 2-B, 3-C, 4-D
- (c) 1-B, 2-A, 3-C, 4-D
- (d) 1-A, 2-D, 3-B, 4-C

Ans.(a)

Q17. The Kothari Commission (1963–64) suggested spending _____ of national income on education.

- (a) 3 percent
- (b) 6 percent
- (c) 7 percent
- (d) 9 percent

Ans.(b)

Q18. Match the following network topologies (Column A) with their most accurate description or key characteristic (Column B):

Column A: Network Topology	Column B: Description/Characteristic
1. Bus Topology	A. All nodes are connected to a central device, making fault isolation easy.
2. Star Topology	B. A single cable acts as the backbone; a cable break can bring down the entire network.
3. Mesh Topology	C. Data travels in a circular path, and each node regenerates the signal.
4. Ring Topology	D. Every node is connected to every other node, providing high redundancy.

Options:

- (a) 1-B, 2-A, 3-D, 4-C
- (b) 1-A, 2-B, 3-C, 4-D
- (c) 1-B, 2-C, 3-A, 4-D
- (d) 1-C, 2-D, 3-B, 4-A

Ans.(a)

Q19. Which of the following statements are TRUE for NEP 2020? A. The NEP committee was headed by a prominent educationist Sukhdev Thorat.

B. The NEP gives an Umbrella term SEDG for minorities, women, SCs, STs and Urban rural poor.

C. The NEP reiterates the Kothari Commission recommendation in 1964-66 to spend 6 percent of GDP on education.

D. The NEP promotes philanthropic education system.

E. The states of Karnataka and Tamil Nadu have rejected the NEP and made their own State Education Policy Commissions.

Choose the correct answer from the options given below:

- (a) A and D Only
- (b) A, B, C and E Only
- (c) B, C, D and E Only
- (d) B, C and E Only

Ans.(c)

Q20. The term “cognitive anchors” in the passage most nearly refers to:

- (a) Fixed mental abilities present at birth
- (b) Points of reference that help in constructing understanding
- (c) External rewards for learning
- (d) Memorized factual information

Ans.(b)

Q21. Which of the following best explains the relationship between professions and constructivist learning?

- (a) Professions restrict imagination and creativity
- (b) Professions help in rote memorization of facts
- (c) Professions provide real-life contexts for knowledge construction
- (d) Professions are irrelevant to classroom learning

Ans.(c)

Q22. Which of the following can be inferred about learner-centred approaches?

- (a) Knowledge is transmitted only by the teacher
- (b) Learners passively receive information
- (c) Knowledge is co-constructed through interaction and experience
- (d) Learning is limited to textbooks

Ans.(c)

Q23. The passage emphasizes affective outcomes such as

- (a) Logical reasoning and problem-solving
- (b) Respect for labour and social empathy
- (c) Memorization and repetition
- (d) Examination performance

Ans.(b)

Q24. Which of the following statements is most appropriate according to the passage?

- (a) Teaching professions is only useful for career guidance
- (b) Professions should be taught only at higher education levels
- (c) Real-life examples hinder abstract thinking
- (d) Profession-based teaching enhances both cognitive and affective learning

Ans.(d)

Q25. Which amongst the following is not a Buddhist monastic University?

- (a) Nalanda
- (b) Takshashila
- (c) Vikramshila
- (d) Odantpuri

Ans.(b)

Q26. student's t-test is useful for testing the:

- A. significance of difference between two sample means
- B. independence of attributes
- C. significance of correlation coefficient
- D. analysis of variance

Choose the correct answer from the options given below:

- (a) A and B Only
- (b) B and C Only
- (c) C and D Only
- (d) A and C Only

Ans.(d)

Q27. Which of the following are characteristics of qualitative research ?

- A. Researcher as key instrument
- B. Research tool as key instrument
- C. Context-free generalization
- D. Context-specific generalization
- E. Inductive data analysis

Choose the correct answer from the options given below :

- (a) A, B and E Only
- (b) B, C and D Only
- (c) A, D and E Only
- (d) A and E Only

Ans.(c)

Q28. In the Classical Square of Opposition, if the 'A' proposition (All S is P) is given as TRUE, arrange the other propositions in the sequence of their truth values (E, I, O):

1. O (Some S is not P)
 2. I (Some S is P)
 3. E (No S is P)
- (a) 3 (False), 2 (True), 1 (False)
 (b) 3 (True), 2 (False), 1 (True)
 (c) 1 (False), 2 (False), 3 (True)
 (d) 2 (True), 3 (True), 1 (False)

Ans.(a)

Q29. Match the School of Indian Philosophy (List I) with the number of Pramanas (Means of Knowledge) they accept (List II):

List I (School of Indian Philosophy)	List II (Pramanas Accepted)
A. Charvaka	I. Four Pramanas (Pratyaksha, Anumana, Upamana, Sabda)
B. Buddhism and Vaisheshika	II. One Pramana (Pratyaksha only)
C. Samkhya and Yoga	III. Two Pramanas (Pratyaksha and Anumana)
D. Nyaya	IV. Three Pramanas (Pratyaksha, Anumana, and Sabda)

Options:

- (a) A-II, B-I, C-IV, D-III
- (b) A-I, B-II, C-III, D-IV
- (c) A-II, B-III, C-IV, D-I
- (d) A-III, B-IV, C-II, D-I

Ans.(c)

Q30. Match List I with List II:

List I: Protocol	List II: Primary Function
A. TCP/IP	I. Assigns dynamic IP addresses to devices on a network
B. DNS	II. The fundamental "language" or suite of the internet
C. DHCP	III. Maps human-readable domain names to IP addresses
D. SMTP	IV. Used for transmission of electronic mail

Choose the correct answer from the options given below:

- (a) A-II, B-I, C-III, D-IV
- (b) A-II, B-III, C-I, D-IV
- (c) A-III, B-I, C-IV, D-II
- (d) A-IV, B-III, C-II, D-I

Ans.(b)

Q31. Match the following ancient universities with their present-day geographical locations in India:

List-I (University)	List-II (Present-Day Location)
(A) Nalanda	(1) Bhagalpur, Bihar
(B) Vikramashila	(2) Rajgir, Bihar
(C) Odantapuri	(3) Patna, Bihar
(D) Pushpagiri	(4) Cuttack, Odisha

Codes:

- (a) A-2, B-1, C-3, D-4
- (b) A-1, B-2, C-4, D-3
- (c) A-2, B-3, C-1, D-4
- (d) A-3, B-1, C-2, D-4

Ans.(a)

Q32. Consider the following statements about Nalanda University and identify the INCORRECT statement(s):

Statement I: Nalanda University was founded by Kumara Gupta I in the 5th century CE.

Statement II: The Chinese pilgrim Fa-Hien (Faxian) gave the most detailed account of Nalanda's academic life.

Statement III: Nalanda had a library known as 'Dharmaganja' consisting of three large multi-storeyed buildings.

Statement IV: Silabhadra was a renowned scholar-head of Nalanda whom Hiuen Tsang met.

- (a) Statement II only
- (b) Statements I and IV
- (c) Statement II and III
- (d) Statements I and II

Ans.(a)

Q33. The hexadecimal number 3D is equivalent to which of the following decimal values?

- (a) 61
- (b) 51
- (c) 75
- (d) 110

Ans.(a)

Q34. Match the following MDG-SDG pairs that show a direct thematic evolution.

List-I (MDG-SDG Pair)	List-II (Thematic Focus)
A. MDG 7 → SDG 6 & 7	1. From general environmental sustainability to specific goals on clean energy and water.
B. MDG 2 → SDG 4	2. From reducing maternal mortality to comprehensive health and well-being for all.
C. MDG 5 → SDG 3	3. From achieving primary education to inclusive and equitable quality education at all levels.
D. MDG 1 → SDG 1, 2 & 8	4. From eradicating extreme poverty to ending poverty, achieving food security, and promoting economic growth.

Codes:

- (a) A-1, B-3, C-2, D-4
- (b) A-3, B-1, C-4, D-2
- (c) A-1, B-4, C-2, D-3
- (d) A-4, B-3, C-1, D-2

Ans.(a)

Q35. Arrange the following environment related acts in the chronological order of their enactment.

- A. The Wildlife Protection Act
- B. Air Prevention and Control of Pollution Act
- C. The National Green Tribunal Act
- D. Environment Protection Act
- E. The Forest Conservation Act

Choose the correct answer from the options given below :

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

Ans.(b)

Q36. Which of the following payment authentication methods relies on a temporary code sent to the user's registered mobile number or email to authorize a transaction?

- (a) OTP (One-Time Password) Authentication
- (b) Digital Signature Authentication
- (c) Biometric Authentication
- (d) Token Ring Authentication

Ans.(a)

Q37. Arrange the following milestones related to the development of the Internet in chronological order:

- A. Introduction of the World Wide Web (WWW)
- B. Launch of ARPANET
- C. Commercialization of the Internet
- D. Adoption of TCP/IP as the standard Internet protocol

Choose the correct answer:

- (a) B → D → A → C
- (b) B → A → D → C
- (c) D → B → A → C
- (d) A → B → D → C

Ans.(a)

Q38. Arrange the following social media and messaging platforms in the chronological order of their launch (earliest to latest):

- A. Telegram
- B. WhatsApp
- C. Facebook
- D. Instagram

Choose the correct answer:

- (a) C → B → D → A
- (b) B → C → A → D
- (c) C → D → B → A
- (d) B → D → C → A

Ans.(a)

Q39. A customer inserts an EMV chip-enabled debit card into a Point-of-Sale (PoS) terminal to make a payment. Which of the following is the primary purpose of the chip during the transaction?

- (a) To increase the card's storage capacity for account statements
- (b) To generate dynamic authentication data for secure transactions
- (c) To enable faster internet connectivity at the PoS terminal
- (d) To store the customer's complete banking password

Ans.(b)

Q40. The advantages of biodiesel over conventional petro-diesel are:

- A. Biodiesel produces significantly lesser CO₂ and SO₂.
- B. It is non-renewable
- C. It has higher octane number
- D. It can be used in any ratio with petro-diesel
- E. It has lower flash point.

Choose the most appropriate answer from the options given below:

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

Ans.(c)

Q41. Which of the following is correct?

- (a) Validity does not focus on the accuracy of instrument's measurement
- (b) Validity does not check the systematic and random errors in the measurement process
- (c) Reliability and validity are related to each other
- (d) Face validity is probably the strongest way to find out the validity of the measurement for a research

Ans.(c)

Q42. Match the LIST-I with LIST-II

LIST-I (Type of Sampling)	LIST-II (Statement)
A. Simple Random Sampling	I. Population is divided into group of elements
B. Non-Probability Sampling	II. Every sample element is selected independently from the population
C. Cluster Sampling	III. Elements are selected by picking a random starting point and then choosing ith element consecutively from population
D. Systematic Sampling	IV. Selection of sample unit depends on the personal judgment

Choose the correct answer from the options given below:

- (a) A-IV, B-II, C-I, D-III
- (b) A-II, B-IV, C-III, D-I
- (c) A-I, B-II, C-III, D-IV
- (d) A-II, B-IV, C-I, D-III

Ans.(d)

Q43. Which among the following are correct in the light of hypothesis?

- A. It is proved assumption
- B. It should be capable of being tested
- C. It should be inconsistent with the most known facts
- D. It should state the relationship between variables
- E. It should be limited in scope and must be specific

Choose the correct answer from the options given below:

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

Ans.(b)

Q44. In petroleum refineries and oil & gas production facilities, flare gas is primarily burned in a flare stack for which of the following reasons?

- (a) To increase the calorific value of crude oil
- (b) To safely dispose of excess or unwanted combustible gases
- (c) To produce electricity for the refinery
- (d) To separate water from crude oil

Ans.(b)

Q45. Arrange the stages of conducting a survey for research.

- A. Pilot testing of the survey
- B. Designing the questionnaire
- C. Distributing the questionnaire
- D. Analyzing the responses

Choose the correct answer from the options given below:

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

Ans.(d)

Q46. Identify the correct claims in the context of MOOD- AAI in the 2nd figure.

- A. The middle term appears as predicate in both the premises
- B. It commits fallacy of undistributed middle term
- C. Middle term is distributed in the major premise
- D. Draws negative conclusion from affirmative premise
- E. Conclusion distributes neither of its terms

Choose the correct answer from the options given below:

- (a) C and D Only
- (b) A, B and E Only
- (c) B and C Only
- (d) B, C and D Only

Ans.(b)

Q47. Choose the correct answer in the context of EAO in the third figure.

- (a) Undistributed middle
- (b) Conclusion distributes its subject term
- (c) Commits the fallacy of exclusive premises
- (d) Commits the Existential fallacy

Ans.(d)

Q48. Identify the fallacy in the following:

"There are just three types of base hits in baseball: a single, a double, and a triple. Slugger got a base hit but didn't get a single or a double. Therefore, Slugger must have gotten a triple."

- (a) Questionable Cause
- (b) Loaded Question
- (c) False Alternatives
- (d) Appeal to Ignorance

Ans.(c)

Q49. Which among the following are contrary propositions?

- A. All poets are dreamers
- B. Some poets are dreamers
- C. Some poets are not dreamers
- D. No squares are circles
- E. No poets are dreamers

Choose the correct answer from the options given below:

-
- (a) D and E Only
 - (b) C and D Only
 - (c) B and D Only
 - (d) A and E Only

Ans.(d)

Q50. Identify the fallacy in the following argument:

"Alan is tall, dark and handsome and has blue eyes. Bill is also tall, dark and handsome. Therefore, Bill probably has blue eyes too."

- (a) Inconsistency
- (b) Weak analogy
- (c) Slippery slope
- (d) Hasty generalization

Ans.(b)