



# UGC - NET

## NTA

### PAPER - 1

### CHAPTERWISE

## Previous

# 11 Years

(2012 - 2022)

### Questions with Video Solutions



# UGC NET PAPER – 1

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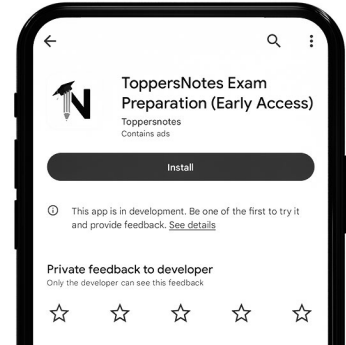
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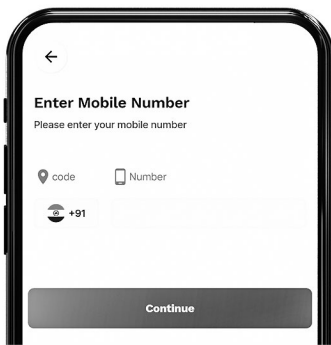
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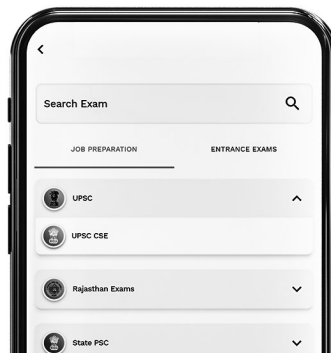
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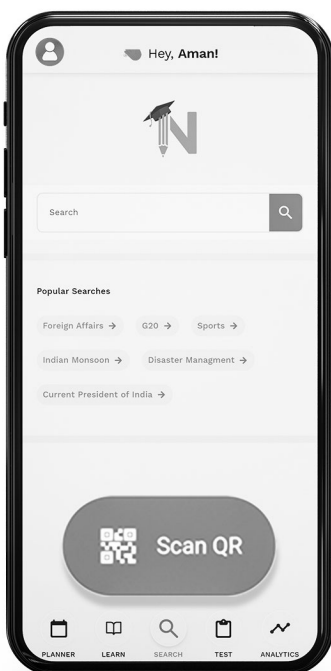
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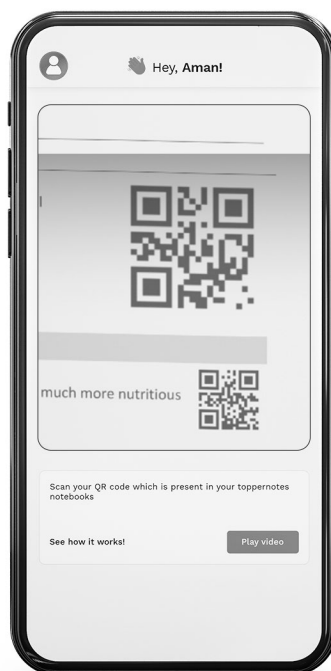
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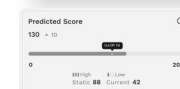
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- Weakness analysis



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## UGC NET PAPER – 1

### 2022 – 1<sup>st</sup> Shift Paper



#### Question No: 1-5

The following table shows the percentage (%) distribution of five different types of Cars (A-E) produced by a Company during two consecutive years 2019 and 2020. The total number of Cars produced was 4, 50,000 in the year 2019 and 5, 20,000 in the year 2020. Based on the data in the table, answer the questions 1-5:

#### Year-wise Percentage Distribution of Production of Cars

Year	Type of Car Produced (in %)				
	A	B	C	D	E
2019	15%	25%	30%	10%	20%
2020	10%	30%	25%	25%	10%

- Q.1** If the number of Type-A cars manufactured in 2020 was the same as that of 2019, then what would have been its approximate percentage share in the total production of 2020?
- (a) 11% (b) 13%  
(c) 15% (d) 9%
- Q.2** If 85% of Type-E cars produced during 2019 and 2020 together are sold by the Company, then how many Type- E cars are left unsold by the company?
- (a) 21825 (b) 29100  
(c) 25200 (d) 21300
- Q.3** If the percentage production of Type-B cars in 2020 was the same as that of 2019, then what would have been the number of Type-B cars produced in 2020?
- (a) 112500 (b) 120000  
(c) 130000 (d) 135000
- Q.4** What is the ratio of number of Type-C cars produced in 2019 to the number of Type-D cars produced in 2020?
- (a) 29:27 (b) 23:22  
(c) 27:26 (d) 27:23
- Q.5** What was the difference in the production of number of Type-C cars between 2019 and 2020?
- (a) 5000 (b) 7500  
(c) 8500 (d) 2500
- Q.6** In a test consisting of 150 questions carrying 1 mark each. Rishab answered 80% of the first 75 questions correctly. What percent of the other 75 questions does he need to answer correctly to score 60% overall?
- (a) 20 (b) 40  
(c) 50 (d) 60

- Q.7** The open source platform 'Course Builder on which NPTEL courses are seen, was created by\_\_\_\_\_.

(a) Microsoft (b) Google  
(c) Oracle (d) Wipro

- Q.8** Identify the correct sequence of information processing in communication

(A) Input (B) Output  
(C) Data entry (D) Processing  
(E) Storage

**Choose the correct answer from the options given below:**

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

- Q.9** Following activities are related to the conduct of experiment in social research:

(A) Control the experimental environment  
(B) Pilot test, revise and test  
(C) Empathy with the participants  
(D) Praising the good qualities of the participant  
(E) Specify the treatment levels

**Choose the most appropriate answer from the options given below:**

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

- Q.10** Given below are two statements:

**Statement I:** Classical smog is formed when oxides of nitrogen combine with particulate matter especially in summer season.

**Statement II:** Classical smog reduces atmospheric visibility to a great extent.

**In the light of the above statements, choose the correct answer from the options given below :**

(a) Both Statement I and Statement II are true  
(b) Both Statement I and Statement II are false  
(c) Statement I is true but Statement II is false  
(d) Statement I is false but Statement II is true

- Q.11** Given below are two statements:

**Statement (I):** The disadvantage of inter-personal communication is the availability of immediate feedback.

**Statement (II):** The greatest advantage of mass communication is its delayed feedback

**In the 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 (IIT) are incorrect  
(c) Statement (I) is correct but Statement (II) is incorrect  
(d) Statement (I) is incorrect but Statement (II) is correct

**Q.12 Which among the following was proposed by Kothari commission vis-a-vis language?**

- (a) Use of mother tongue as a medium of instruction
- (b) Use of Hindi as a medium of instruction
- (c) Two-language formula
- (d) Three language formula

**Q.13 Koulberg's theory of moral development comprises of following stages:**

- (A) Obedience orientation
- (B) Intellectual disability orientation
- (C) Rewards/ Exchange orientation
- (D) Law and order orientation
- (E) Social contract orientation

**Choose the most appropriate answer from the options given below**

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

**Q.14 A man who can swim 48 meter/minute in still water swims 200 meter against the current and 200 meter with the current. If the difference between these two times is 10 minutes, then what is the speed of the current?**

- (a) 30 meter/minute
- (b) 31 meter/minute
- (c) 29 meter/minute
- (d) 32 meter/minute

**Q.15 Which of the following file formats are appropriate for distributing video files across the internet?**

- (A) FLA.
- (B) .MP3
- (C) .WMA
- (D) .AIF
- (E) .AVI

**Choose the correct answer from the options given below:**

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

**Q.16 Match List I with List II**

List I	List II
Medium	User vehicle
(A) Newspaper	(i) URSA mini pro
(B) Radio	(ii) Satellite dishes
(C) Television	(iii) Electromagnetic waves
(D) Film	(iv) Rubber plate

**Choose the correct answer from the options given below:**

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

**Q.17 In ancient Indian education system. learners were given training in following occupations in the fields of**

- (A) Architecture
- (B) Animal Husbandary
- (C) Agriculture
- (D) Administration
- (E) Dairy farming

**Choose the correct answer from the options given below:**

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

**Q.18 Given below are two statements:**

**Statement I:** An inference which is based on the middle term being only positively related to the major term is called Kevalanvayi.

**Statement II:** In Kevalanvayi anumana, the knowledge of vyapti between the middle and major terms is arrived at through the method of argument in absence.

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

- (a) Both Statement I and Statement II are true
- (b) Both Statement I and Statement II are false
- (c) Statement I is true but Statement II is false
- (d) Statement I is false but Statement II is true

**Q.19 Given below are two statements: One is labelled as Assertion (A) and the other is labeled as Reason (R).**

**Assertion (A):** A valid deductive argument with all true premises will lead to a true conclusion.

**Reason (R):** In a valid deductive argument, the conclusion follows from the premises with absolute necessity.

In the light of the above statements, choose the correct 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

**Q.20 Which of the following are true with regard to mass communication?**

- (A) Messages are prepared by non-professionals
- (B) Messages are prepared by professionals
- (C) Messages are rapidly disseminated
- (D) Messages are supposed to be understood
- (E) Media audiences are homogenous

**Choose the correct answer from the options given below:**

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

**Q.21** Given below are two statements: One is labelled as Assertion (A) and the other is labeled as Reason (R).

**Assertion (A):** Sound is non eternal, because it is caused.

**Reason (R):** The middle term does not prove the eternality of sound but it's non-eternality.

In the light of the above statements, choose the correct 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

**Q.22** Which one of the following formal fallacies is committed in the given argument?

All snakes are reptiles.

Some snakes are poisonous creatures.

Therefore all poisonous creatures are reptiles.

- (a) Fallacy of Illicit process of major term
- (b) Fallacy of Illicit process of minor term
- (c) Fallacy of undistributed middle term
- (d) Fallacy of four terms

**Q.23** Identify the correct arrangement of the following different types of computer networks in the descending order of their geographic area coverage.

- (A) MAN (B) WAN
- (C) LAN

Choose the correct answer from the options given below:

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

**Q.24** Which among the following is a valid criticism of experimental method in social sciences?

- (a) Impossible to conduct in social situation
- (b) Artificiality of laboratory condition
- (c) Unavailability good experiments in social sciences
- (d) Social research problems cannot be studied experimentally

**Q.25** Given below are two statements in respect of Computers:

Statement (I): A DVD-ROM is an optical storage media and it can be written many times. Statement (II): Software is loaded into secondary storage from RAM and is then executed by CPU.

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

- (a) Both Statement (a) and Statement (II) are true
- (b) Both Statement (I) and Statement (II) are false
- (c) Statement (I) is true but Statement (II) is false
- (d) Statement (I) is false but Statement (II) is true

**Q.26** The simple interest on a sum of money is  $\frac{1}{9}$  of the principal and the number of years is equal to the rate percent per annum. The rate percent per annum is:

- (a) 3% (b) 0.33%
- (c) 3.33% (d) 2.33%

**Q.27** As envisaged in National Education Policy (2020), all Higher Educational Institutions will aim to have a student strength of \_\_\_\_\_ - by 2040.

- (a)  $\geq 5000$  (b)  $\geq 4000$
- (c)  $\geq 3000$  (d)  $\geq 2500$

**Q.28** IIT Bombay X is a non-profit MOOC platform developed by IIT Bombay using the open source platform.

- (a) Joomla (b) Sakai
- (c) Drupal (d) Open edX

**Q.29** Given below are two statements :

**Statement (I):** If the length of a psychological test is increased it improves both reliability and validity.

**Statement (II):** Score of a test can be interpreted without referring to its norm.

In the 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

**Q.30** In a learner centered teaching environment, teachers

- (a) Recognize that all learners are unique and utilise different teaching styles
- (b) Do not provide structure and direction
- (c) Make decisions about how and what learners will learn
- (d) Do not facilitate learner's decision making process

**Q.31** If a survey is conducted telephonically, which among the following statements is true?

- (a) It improves quality of data
- (b) It improves the validity research
- (c) It reduces the cost of data collection
- (d) It makes participants comfortable

**Q.32** A software is termed as an open source software if

- (a) The developer company is open 24 x 7
- (b) Its source code is available to share, study and modify
- (c) It can be downloaded from the Internet
- (d) It is available free of cost

- Q.33 Source of arsenic pollution in the ground water is**  
 (a) Industrial effluents  
 (b) Deep underground formations  
 (c) Dyeing industries  
 (d) Agricultural wastes

- Q.34 Given below are two statements: One is labelled as Assertion (A) and the other is labeled as Reason (R).**

**Assertion (A):** Energy produced from biomass is considered 'carbon neutral'.

**Reason (R):** Biomass does not add CO<sub>2</sub> to the atmosphere.

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

- Q.35 Match List I with List II**

List I	List II
Research forms	Description
(A) Qualitative Research	(i) File drawer problem
(B) Quantitative Research	(ii) Convergence of findings based multiple methods
(C) Triangulation	(iii) Statistical analysis
(D) Meta-analysis	(iv) Interpretive

**Choose the correct answer from the options given below:**

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

- Q.36 Match List I with List II**

List I	List II
In a square of opposition	Resultant
(A) 'A' being given as true	(i) 'O' is undetermined
(B) 'E' being given as true	(ii) T is undetermined
(C) T being given as true	(iii) T is true
(D) 'O' being given as true	(iv) T is false

**Choose the correct answer from the options given below:**

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

- Q.37 In the context of vocational education, the organisation 'NSDC' is**

- (a) National Skill Development Council  
 (b) National Skill Development Corporation  
 (c) National Skill Documentation Centre  
 (d) National Sector Development Corporation

- Q.38 Match List I with List II**

List I	List II
Child Development	Feature
(A) Cliques	(i) Less intimate, more loosely organized groups
(B) Crowds	(ii) General sense of oneself along with all their beliefs, emotions and attitudes.
(C) Identity	(iii) Exploration with a delay in commitment to personal and occupational choices
(D) Moratorium	(iv) Relatively small, friendship based groups

**Choose the correct answer from the options given below:**

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

- Q.39 What is the correct order of Global Warming Potential (GWP) of following atmospheric chemical species?**

- (A) Chlorofluoro Carbon (CFC)  
 (B) Methane (CH<sub>4</sub>)  
 (C) Carbon dioxide (CO<sub>2</sub>)  
 (D) Nitrous oxide (N<sub>2</sub>O)

**Choose the correct answer from the options given below:**

- (a) D>C>B>A  
 (b) C<B<D<A  
 (c) A>B>C>D  
 (d) A<C<D<B

- Q.40 Given below are two statements:**

**Statement (I):** One-fourth of sixty percent of a number is equal to two-fifth of twenty percent of another number. Then the respective ratio of the first number to the second number is 8:15.

**Statement (II):** A student is studying for a test from 11:00 am to 8:00 pm on weekdays and one-third of that time on Saturday. On Sunday, he takes a break and goes for a movie. The fractional part of the entire week that the student is studying is 3/7.

**In the light of the above statements, choose the correct answer from the options given below:**

- (a) Both Statement (I) and Statement (II) are true  
 (b) Both Statement (I) and Statement (II) are false  
 (c) Statement (I) is true but Statement (II) is false  
 (d) Statement (I) is false but Statement (II) is true



**Q.41** Given below are two statements: One is labelled as Assertion (A) and the other is labeled as Reason (R).

**Assertion (A):** Universities and higher education institutions are the important foundations to the growth of any country.

**Reason (R):** Intellectual property right acts as a shield for invention to be misused by third parties.

**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

**Q.42** Identify the correct sequence of average noise levels in increasing order of their magnitude from different sources.

- (A) City street corner
- (B) Conversational speech
- (C) Highway
- (D) Aircraft noise during take off
- (E) Typical office

**Choose the correct answer from the options given below:**

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

**Q.43** Given below are two statements:

**Statement (I):** A man sells his goods at 10% profit. If he sells his goods at 15% profit, he gets 160 more. The cost price of his goods is 4.200.

**Statement (II):** A man spends 80% of his earnings. His earnings increased by 25% and his expenses increased by 20%. The man's savings thus increased by 45%.

**In the light of the above statements, choose the correct answer from the options given below:**

- (a) Both Statement (I) and Statement (II) are true
- (b) Both Statement (I) and Statement (II) are false
- (c) Statement (I) is true but Statement (II) is false
- (d) Statement (I) is false but Statement (II) is true

**Q.44** Match List I with List II

List I	List II
(File extension)	(File type)
(A) mp3	(I) image
(B) xls	(II) music
(C) jpeg	(III) database
(D) mdb	(IV) spreadsheet

**Choose the correct answer from the options given below:**

- (a) (A)-(I); (B)-(IV); (C)-(II); (D)-(III)
- (b) (A)-(II); (B)-(IV); (C)-(I); (D)-(III)
- (c) (A)-(II); (B)-(IV); (C)-(III); (D)-(1)
- (d) (A)-(III); (B)-(II); (C)-(I); (D)-(IV)

**Q.45** In communication, meanings refer to a person's

- (a) Notions about the world
- (b) Internal responses to a message
- (c) Subsuming messages for suppression
- (d) External responses only

**Read the following passage and answer questions from 46 to 50.**

Television is a cultural commodity. It works within an economically determined capitalist economy, but when we have said that about it we have said both much and remarkably little. There is a financial economy within which wealth circulates, and a cultural economy within which meanings and pleasures circulate, and the relationship between them is not as deterministic as some theorists have proposed. In the financial economy, television symbolises programmes and advertisements, not textuality. A programme is a commodity produced and then sold to distributors. In distribution, its role changes and it becomes not a commodity, but a producer, and what it produces is a new commodity, the audience which is then, in its turn, sold as a commodity to advertisers. The ramifications of this financial economy are fascinating. Here the role shift undergone by the programme in the financial economy—that from commodity to producer is now undergone by the audience, who are left as a commodity sold to the advertiser. But in the cultural economy the audience rejects its role as a commodity and becomes a Producer, a Producer of meanings and pleasures, and at this moment stops being 'an audience' and becomes different materialisations of the process that we call "viewing television". While the metaphor of a cultural economy is a productive one, we must not let it blind us to differences between it and the financial. Meanings and pleasures do not circulate in the cultural economy in the same way that wealth does in the financial. In the first place there is no exchange of money at the point of sale or consumption. Television appears to be free, however, it may be actually paid for. Payment has no direct relationship to consumption—people can consume as much as they wish and what they wish with no thought of what they are able to afford.

**Q.46** What is unique about television audience in a cultural economy?

- (a) They are non-stop producers of meanings
- (b) They cannot fathom the finer nuances of financial economy
- (c) They do not pay for content consumption
- (d) They can consume as much sans affordability

**Q.47 In distribution television becomes**

- (a) Cultural commodity
- (b) Producer of a new commodity
- (c) Purveyor of textuality
- (d) A source of theorization

**Q.48 What are the ramifications of television as a commodity in financial economy?**

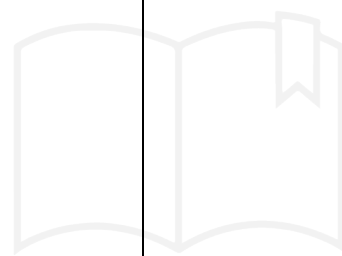
- (a) Making huge profits
- (b) Importance to distribution channels
- (c) Audience for advertisers
- (d) Enculturation of audience

**Q.49 When we consider television as a product, then it operates in a/an**

- (a) Deterministic cultural system
- (b) Circulatory commercial system
- (c) Audience power system
- (d) Distributive pleasure system

**Q.50 How viewing television in a cultural economy affects the audience?**

- (a) Audience assume a new role
- (b) They become a new commodity
- (c) They cannot differentiate between the financial economy and cultural economy
- (d) Audience restrict the circulation of meanings and pleasures



## UGC NET PAPER – 1

### 2022 - 2<sup>nd</sup> Shift Paper



**Direction for Questions (1 to 5):** Based on the data in the table, answer the five question that follow:

The following table gives the sale figures of five different types of batteries (in thousands) sold by a company during the years 2015 to 2021.

**Year-wise Sale of Batteries**

Year	Types of Batteries Sold (in thousands)				
	4AH	7AH	32AH	35AH	55AH
2015	75	144	114	102	108
2016	90	126	102	84	126
2017	96	114	75	105	135
2018	105	90	150	90	75
2019	90	75	135	75	90
2020	105	60	165	45	120
2021	115	85	160	100	145

- Q.1** What was the approximate percentage increase in the sales of 55AH batteries in 2021 compared to that in 2015?
- (a) 28% (b) 33%  
(c) 31% (d) 34%
- Q.2** The total sales of all the seven years is maximum for which type of battery?
- (a) 4AH (b) 32AH  
(c) 7AH (d) 35AH
- Q.3** What is the difference in the number of 35AH batteries sold in 2016 and 2020?
- (a) 24000 (b) 35000  
(c) 28000 (d) 39000
- Q.4** The percentage of 4AH batteries sold in a given year to the total number of batteries sold in that same year maximum in the year.
- (a) 2017 (b) 2019  
(c) 2018 (d) 2020
- Q.5** In case of which type of battery there was a continuous decrease in sales from 2015 to 2020?
- (a) 4AH (b) 7AH  
(c) 32AH (d) 35AH

- Q.6** Which scheme of Ministry of Education, Government of India, uses Artificial intelligence to make learning more personalised and customised, as per requirements of the learners?
- (a) NEAT  
(b) NEET  
(c) SWAYAM  
(d) SWAYAM PRABHA
- Q.7** 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.8** Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R  
**Assertion (A):** Teachers must encourage students to ask questions.  
**Reason (R):** Asking questions can create curiosity and develop passion for learning.  
 In light of the above statements, choose the most appropriate answer from the options given below  
 Choose the correct answer from 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
- Q.9** Which of the following model is used for development of e-content for MOOCs on SWAYAM?
- (a) Four Quadrant (b) Two Quadrant  
(c) Flipped Classroom (d) Bloom's Taxonomy
- Q.10** In order to develop a video for MOOC, how much portion of some copyrighted video is allowed to be used as per the fair use guidelines?
- (a) Upto 10% or 10 minutes, whichever is less.  
 (b) Upto 10% or 3 minutes, whichever is less.  
 (c) Upto 20% or 10 minutes, whichever is less.  
 (d) Upto 30% or 3 minutes, whichever is less.
- Q.11** When the subjects of a research change or improve their behaviour, not due to changes in experimental stimulus, it is called
- (a) The Hawthorne effect (b) The Glenn effect  
(c) The Fischer effect (d) The Kerlinger effect

**Q.12 The advantages of research based on field experiments are:**

- A. A strong external validity.
- B. Subjects behave normally and naturally.
- C. The experiment takes place in a natural setting.
- D. Generation of primary data
- E. Non-requirement of elaborate logistics

**Choose the correct answer from the options given below:**

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

**Q.13 Hypothesis, that is alternative to null hypothesis, is represented as**

- (a)  $H_0$
- (b)  $H_1$
- (c)  $H_{alt}$
- (d)  $H_{\neq 0}$

**Q.14 What is SCOPUS?**

- (a) Software to prepare Ph.D thesis
- (b) Database containing abstracts and citations of academic journals
- (c) Agency to fund research and development
- (d) Plagiarism checking software

**Q.15 The Social Science research which is data- based, has been associated with**

- (a) Authoritarian mode
- (b) Positivist philosophy
- (c) Network theory
- (d) Phenomenology

**Q.16 The modern communication revolution is propelled by**

- (a) Cold war propaganda
- (b) International commerce
- (c) Technological convergence
- (d) Change in political systems

**Effective classroom communication will enable**

- A. Efficient teaching
- B. Interest in learning
- C. Minimal assessment
- D. Interaction between teacher and students
- E. Teacher-centric behavior

**Q.17 Choose the correct answer from the options given below:**

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

**Q.18 Which of the following are barriers to understand the communicated messages?**

- A. Emotional quotient
- B. Jargon
- C. Personal space
- D. Pre-judgment
- E. Cultural background

**Choose the correct answer from the options given below:**

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

**Q.19 Given below are two statements**

**Statement I:** Knowledge is a form of cultural capital for all practical purposes.

**Statement II:** Communication media make cultural capital a form of illimitable property.

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

**Q.20 Match List I with List II**

List I Concept of presentation	List II Characteristic
(A) Text	(I) Order of signification
(B) Discourse	(II) Subjective invention
(C) Connotation	(III) Micro data
(D) Myth	(IV) Micro exchange

**Choose the correct answer from the options given below:**

- (a) A-1, B-II, C-III, D-IV
- (b) A-II, B-III, C-IV, D-I
- (c) A-III, B-IV, C-I, D-II
- (d) A-IV, B-I, C-II, D-III

**Q.21 Choose the set of numbers, similar to the set (31, 19, 41) out of the following:**

- A. (27, 29, 47)
- B. (23, 34, 49)
- C. (29, 16, 41)
- D. (29.17, 37)
- E. (23, 37, 49)

**Choose the correct answer from the options given below:**

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

**Q.22 Unscramble the strings below to create a meaningful word and then find the odd one out:**

- A. EIWNTR
- B. UMRSM E
- C. PIGRSN
- D. LCUOD

**Choose the correct answer from the options given below:**

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

**Q.23 What shall be the value when 0.07 is divided by 350?**

- (a) 0.0002
- (b) 0.002
- (c) 0.02
- (d) 0.00002

**Q.24 Six persons went to a hotel for a dinner. Five of them spent Rs. 150 each on their meals, while the sixth person spent Rs. 80 more than the average expenditure of all the six persons. What is the total money spent by all the six persons?**

- (a) 996
- (b) 999
- (c) 1000
- (d) 1001

**Q.25** The selling price of 30 fans is equal to the purchase price of 25 fans. What is the profit or loss in percentage?

- (a) A gain of  $16\left(\frac{2}{3}\right)\%$       (b) A loss of 15%  
 (c) A loss of  $16\left(\frac{2}{3}\right)\%$       (d) No gain, no loss

**Q.26** In Classical Square of Opposition, if 'Some S is P' is given as true then which of the following could be immediately inferred from it?

- A. 'Some S is not P' is false  
 B. 'Some S is not P' is true  
 C. 'No S is P' is false  
 D. 'All S is P' is undetermined  
 E. 'Some S is not P' is undetermined

Choose the correct answer from the options given below:

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

**Q.27** A facility in which the conclusion is stated or assumed within one of the premises is known severally as:

- A. Petitio Principii      B. Irrelevant Conclusion  
 C. Begging the Question      D. Fallacy of Composition  
 E. Circular argument

Choose the correct answer from the options given below:

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

**Q.28** Analogical Arguments are:

- (a) Deductive in nature  
 (b) Inductive in nature  
 (c) Valid arguments but fallacious  
 (d) Invalid arguments

**Q.29** Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

**Assertion (A):** According to Classical Indian School of Logic (Nyaya). It is desirable but not necessary to offer an example in a syllogistic argument or inference.

**Reason (R):** Example shows that there is at least one existent object or case in the world in which the middle and major terms co-exist.

In 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

**Q.30** An American is told by his friend that Asian buffalo is like bison in such and such respects. When the American visits Asia and comes across a buffalo, he comes to know that the animal seen by him is buffalo. Which of the following means of knowledge (pramana) is used in this instance?

- (a) Postulation (Arthapatti)  
 (b) Comparison (Upamana)  
 (c) Perception (Pratyaksa)  
 (d) Verbal Testimony (Sabda)

**Q.31** Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R.

**Assertion (A):** Static RAM is typically used for PC's main memory while Dynamic RAM is used for CPU cache.

**Reason (R):** Static RAM is faster and more expensive than Dynamic RAM.

In light of the above statements, choose the correct 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

**Q.32** With respect to the Computers, what is the purpose of compressing a data file?

- (a) To encrypt the data  
 (b) To occupy less storage space  
 (c) To increase transmission time over a network  
 (d) To allow the file to be read by a variety of applications

**Q.33** Which of the following peripheral devices are considered as only input devices?

- A. Microphone      B. Projector  
 C. Joy stick      D. Scanner  
 E. Track-ball

Choose the correct answer from the options given below:

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

**Q.34** A Company's word-processed daily report contains a graph from a spreadsheet. The report needs to display the most recent information from the spreadsheet. What feature should be used to insert the most up-to-date graph?

- (a) Copy and paste  
 (b) Mail merge wizard  
 (c) Automated importing  
 (d) Linking and embedding

**Q.35** Which type of virus or destructive software could appear to be useful, but will actually cause damage once installed or run by a user?

- (a) Hoax (b) Worm  
(c) Trojan Horse (d) System Sector

**Q.36** According to Noise Pollution (Regulation and Control) rules in India, noise (Leq) in educational institutions during night time (10 pm - 6 am) must not exceed

- (a) 35 dB (b) 40 dB  
(c) 45 dB (d) 50 dB

**Q.37** The percentage increase in carbon dioxide concentration in atmosphere from pre- industrial times is approximately

- (a) 55% (b) 50%  
(c) 74% (d) 62%

**Q.38** The highest nonzero dose at which no toxic effect is observed in a study on animals is called

- (a) LD50 (b) NOAEL  
(c) LOAEL (d) NOEFF

**Q.39** Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R  
Assertion (A): Hybrid Electric Vehicles' (HEVs) fuel running cost is lesser than Electric Vehicles (EVs).  
Reason (R): Hybrid Electric Vehicles have both an internal combustion engine and an onboard electric power generation system.

In 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

**Q.40** What is the correct chronological order of sequence from older to newer of the following agreement, summit and protocols?

- A. Paris Agreement B. Montreal Protocol  
C. Kyoto Protocol D. Rio Summit

Choose the correct answer from the options given below:

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

**Q.41** Which of the following universities is an institute of Eminence?

- (a) Central University of Gujrat, Gandhinagar  
(b) University of Hyderabad  
(c) Tezpur University  
(d) Jamia Millia Islamia

**Q.42** Given below are two statements

**Statement I:** With Academic Bank of Credit facility in place, a student will be able to customize and design own degree, provided 50% of credit are from the higher education institutions awarding the degree.

**Statement II:** Credits once used or redeemed by a student cannot be used for any other formal purpose of course wavers.

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

**Q.43** In a State government university or Central University, recommendation of the Selection Committee for the recruitment of the faculty is approved by the

- (a) Academic Council  
(b) Executive Council  
(c) Finance Committee  
(d) Chancellor of University

**Q.44** Environmental education encompasses the issues of

- A. Resource Consumption  
B. Environmental degradation  
C. Biodiversity loss  
D. Economic empowerment  
E. Climate change and its impact

Choose the correct answer from the options given below:

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

**Q.45** Given below are two statements

**Statement I:** The recommendations of the Radhakrishnan Commission in 1949 resemble those of Calcutta University Commission in 1917.

**Statement II:** The recommendations of the Mudaliar Commission in 1953 resemble those of John Sergeant's post-war Educational Development Plan in 1944.

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



**Direction for Questions (46 to 50): Read the given passage and answer the question that follow:**

Human beings are not completely free to socially construct their own behaviour. They have a shared biological nature is remarkably uniform throughout the world, given the fact that most contemporary humans outside of Africa descended from a single relatively small group of individuals some fifty thousand years ago. This shared nature does not determine political behaviour, but it frames and limits the nature of institutions that are possible. It also means that human politics is subject to certain recurring patterns of behaviour across time and across cultures. This shared nature can be described in certain propositions like that the human beings never existed in a pre-social state.

The idea that human beings at one time existed as isolated individuals, who interacted either through anarchic violence (Hobbes) or in pacific ignorance of one another (Rousseau), is not correct. Human beings as well as their primate ancestors always lived in kin-based social groups of varying sizes. Indeed, they lived in these social units for a sufficiently long period of time that the cognitive and emotional faculties need to promote social cooperation evolved and became hardwired in their genetic endowments. This means that a rational-choice model of collective action, in which individuals calculate that they will be better off by cooperating with one another, vastly understates the degree of social cooperation that exists in human societies and misunderstands the motives that underlie it.

The next one is the idea of natural human sociability. This principle of kin selection of inclusive fitness states that human beings will act altruistically toward genetic relatives (or individuals believed to be genetic relatives) in rough proportion to their shared genes. The principle of reciprocal altruism says that human beings tend to develop relationships of mutual benefit or mutual harm as they interact with other individuals over time. Reciprocal altruism, unlike kin selection, does not depend on genetic relatedness: it does, however, depend upon repeated, direct personal interaction.

**Q.46 The shared biological nature of humans influences**

- (a) The division of social constructs
- (b) The nature of institutions in society
- (c) The political behaviour of people
- (d) The formation of social groups

**Q.47 Human beings did not exist in a pre-social state due to**

- (a) Social kinsfolk
- (b) Human politics across cultures
- (c) Institutional limitations
- (d) Absence of individual independence

**Q.48 From the author's point of view, the main characteristic of human society has been**

- (a) Anarchic violence
- (b) Pacific ignorance of one another
- (c) Kinship based social groups
- (d) Calculated individual relations

**Q.49 The concept of social cooperation involves**

- A. Kin selection
- B. Cognitive faculty
- C. Emotional detachment
- D. Reciprocal altruism

**Choose the correct option:**

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

**Q.50 The passage recognize the fact that human sociability has**

- (a) Political determinants
- (b) Rational choice model
- (c) Integrated collective action
- (d) Genetic linkage

## Teaching



2012

**Q.1 Dynamic approach to teaching means**

- A) Teaching should be forceful and effective.
- B) Teachers should be energetic and dynamic.
- C) The topics of teaching should not be static, but dynamic.
- D) The students should be required to learn through activities.

**Q.2 If you get an opportunity to teach a visually challenged student along with normal students, what type of treatment would you like to give him in the class ?**

- A) Not giving extra attention because majority may suffer.
- B) Take care of him sympathetically in the classroom.
- C) You will think that blindness is his destiny and hence you cannot do anything.
- D) Arrange a seat in the front row and try to teach at a pace convenient to him.

**Q.3 Arrange the following teaching process in order:**

1. Relate the present knowledge with previous one
2. Evaluation
3. Reteaching
4. Formulating instructional objectives
5. Presentation of instructional materials

- A) 1, 2, 3, 4, 5
- B) 2, 1, 3, 4, 5
- C) 5, 4, 3, 1, 2
- D) 4, 1, 5, 2, 3

2014

**Q.4 Which of the following is not a prescribed level of teaching?**

- A) Memory
- B) Understanding
- C) Reflective
- D) Differentiation

**Q.5 Attitude of the teacher that affects teaching pertains to**

- A) Affective domain
- B) Cognitive domain
- C) Connative domain
- D) Psychomotor domain

2015

**Q.6 Which of the following is the highest level of cognitive ability?**

- A) Knowing
- B) Understanding
- C) Analysing
- D) Evaluating

2016

**Q.7 Which of the following set of statements reflects the basic characteristics of teaching?**

Select the correct alternative from the codes

- (i) Teaching is the same as training.
- (ii) There is no difference between instruction and conditioning when we teach.
- (iii) Teaching is related to learning.
- (iv) Teaching is a 'task' word while learning is an 'achievement' word.
- (v) Teaching means giving information.
- (vi) One may teach without learning taking place.

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

2017

**Q.8 Which of the following set of statements best represents the nature and objective of teaching and learning ?**

1. Teaching is like selling and learning is like buying.
2. Teaching is a social act while learning is a personal act.
3. Teaching implies learning whereas learning does not imply teaching.
4. Teaching is a kind of delivery of knowledge while learning is like receiving it.
5. Teaching is an interaction and is triadic in nature whereas learning is an active engagement in a subject domain.

- (a) 1, 4 and 5
- (b) 2, 3 and 5
- (c) 1, 2 and 3
- (d) 1, 2 and 4

**Q.9 Which one of the following is a key behaviour in effective teaching ?**

- A) Using student ideas and contribution
- B) Structuring
- C) Instructional variety
- D) Questioning



**Q.10 Assertion (a) : All teaching implies learning.**

**Reason (R) : Learning to be useful must be derived from teaching.**

Choose the correct answer from the following :

- 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.

**2018**

**Q.11 Which one of the following is incorrectly matched between the proponent and the theory of education advocated by him?**

- A) Plato – Naturalism
- B) Dewey - Pragmatism
- C) Plato – Idealism
- D) Rossean – Naturalism

**Q.12 Which of the following set of statements best describes the nature and objectives of teaching?**

**Indicate your answer by selecting from the code.**

1. Teaching and learning are integrally related.
2. There is no difference between teaching and training.
3. Concern of all teaching is to ensure some kind of transformation in students.
4. All good teaching is formal in nature.
5. A teacher is a senior person.
6. Teaching is a social act whereas learning is a personal act.

- |                |                |
|----------------|----------------|
| (a) 1, 2 and 4 | (b) 2, 3 and 5 |
| (c) 1, 3 and 6 | (d) 4, 5 and 6 |

**Q.13 Assertion (A) : All teaching should aim at ensuring learning.**

**Reason (R) : All learning results from teaching. Choose the correct answer from the following code :**

- 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.

**Q.14 A college level assistant professor has planned his/her lectures with an intent to develop cognitive dimensions of students centered on skills of analysis and synthesis. Below, given are two sets of items Set-I consisting of levels of cognitive interchange and Set-II comprising basic requirements for promoting them. Match the two sets and indicate your answer by choosing the correct alternative from the code:**

**Set-I (Levels of Cognitive Interchange)**

- A. Memory level
- B. Understanding level
- C. Reflective level

**Set- II (Basic requirements for promoting cognitive Interchange)**

- (i) Giving opportunity for discriminating examples and non-examples of a point.
- (ii) Recording the important points made during the presentations.
- (iii) Asking the students to discuss various items of information.
- (iv) Critically analyzing the points to be made and discussed.

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

**2019**

**Q.15 Education is a powerful instrument of:**

- A) Social transformation
- B) Personal transformation
- C) Cultural transformation
- D) All the above

**Q.16 "Cone of Experience" related to teaching-learning was suggested by:**

- |               |               |
|---------------|---------------|
| A) John Dewey | B) Kilpatrick |
| C) Froebel    | D) Edgar Dale |

**Q.17 A teacher gives lot of positive and negative examples to support his/her presentations in the classroom. This will be related to which level of teaching?**

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

**Q.18 Which of the following statements explains the concepts of inclusive teaching?**

- A) Teacher facilitates the learning of the gifted students.
- B) Teacher facilitates the learning of the weak students.
- C) Teacher takes support of parents of the students to make them learn.
- D) Teacher makes the students of different backgrounds to learn together in the same class.

**Q.19 Which among the following bases can be counted to judge the effectiveness of teaching?**

- 1. Marks obtained by students in overall subjects
- 2. Level of realization of instructional objectives
- 3. Time taken by the students to learn
- 4. Resources used by the teacher in teaching
- 5. Regularity of students in class

Select your answer from the options given below:

- A) (1), (2) and (3)
- B) (1), (2) and (4)
- C) (3), (4) and (5)
- D) (2), (3) and (4)

**Q.20 Which of the following statements best explains the concept of team teaching?**

- A) More than two teachers teach
- B) More than two teachers plan and teach together the same class
- C) More than two teachers plan and teach the same class as per their expertise
- D) A team of teachers who are ready and available to teach the students

**Q.21 Reflective Practice implies use of one's:**

- A) Cognition
- B) Metacognition
- C) Metacognition on cognition
- D) Reinforcement of learning

**Q.22 From the list of the effective teaching behaviours, identify those which are called key behaviours.**

- 1. Direct, audible and oral delivery to all students.
- 2. Encouraging students to elaborate on an answer.
- 3. Warm and nurturing relationship with learners.

4. Varying modes of presentation.

5. Preventing misbehaviour with a minimum of class disruption.

6. Organising what is to come and summarising what has gone before.

Select your answer from the options given below:

- A) 1, 4 and 5
- B) 1, 2 and 3
- C) 2, 3 and 4
- D) 4, 5 and 6

**Q.23 Inclusive education implies:**

- A) Ensuring learning outcome of every child to be the same,
- B) Including the disabled in the main stream
- C) Provides compulsory education for children below 14 years
- D) Ensuring that no child is left behind in education

**Q.24 Student-Centric Classroom is meant for**

- A) Addressing the individual differences
- B) Reducing teacher-oriented lectures
- C) Recalling the previous knowledge
- D) Engaging the entire class

**Q.25 In the two sets given below, Set I provides levels of teaching while Set II gives their focus of concern:**

Set I	Set II
Levels of Teaching	Focus of concern
(A) Autonomous development level	(i) Problem raising and problem solving
(B) Memory level	(ii) Affects and feelings
(C) Understanding level	(iii) Recall of facts and information.
(D) Reflective level	(iv) Seeing of relationship among facts and their examples
	(v) Peer learning

Select correct answer from the options given below:

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

**Q.26 In which level of teaching, lower level learning outcomes get focussed?**

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

**Q.27 Which of the following is a key to effective teaching behaviour?**

- A) Teacher mediated dialogue which helps learners restructure what is being learned
- B) Eliciting clarification of an answer given by students
- C) Soliciting additional information about a response of students
- D) Promoting low error rate (high success) contributive to increased levels of students self esteem and positive attitude

**Q.28 Which of the following statements differentiate teaching from learning?**

- 1. Teaching is a social act while learning is a personal act
- 2. Teaching implies learning
- 3. Teaching is like selling while learning is like buying
- 4. Teaching can occur without learning taking place
- 5. In teaching, influence is directed towards learning and learner, while in learning it is usually towards oneself

Choose the correct answer from the following options:

- A) 1, 3 and 5
- B) 1, 2 and 3
- C) 2, 3 and 4
- D) 3, 4 and 5

**Q.29 Which among the following is NOT a component of effective teaching?**

- A) Questioning to check for the understanding of students
- B) Providing students with feedback
- C) Being flexible about how long it takes to learn
- D) Reactive mode of student's behaviour

**Q.30 The basic requirements for organizing teaching at reflective level deal with**

- A) Systematic and sequential presentation of facts and information by the teacher
- B) Helping explore and explain problems and their solutions by students

C) Translating and interpreting the facts by the students

D) Giving concrete facts and action sequences by the teacher

**Q.31 The emphasis in memory level teaching is on which of the following?**

- 1. Organisation of thoughts and ideas
- 2. Seeing of relationships among facts
- 3. Systematic presentations to enable quick reproduction
- 4. Critical thinking
- 5. Mastery of concept sequencing of facts
- 6. Segregating one feature from another

Choose the answer from the following options:

- A) 1, 2 and 3
- B) 1, 3 and 5
- C) 2, 3 and 4
- D) 4, 5 and 6

**Q.32 In the two sets given below, Set-I provides the different levels of learning according to Bloom's Taxonomy, while set-II gives their examples and concerns. Match the two sets and select from the options to indicate your answer:**

Set-I (Levels of Learning)	Set-II (Examples)
(A) Memory level	1. Identifying examples of a given concept
(B) Understanding level	2. Generating new ideas
(C) Analysing level	3. Recalling information
(D) Creating level	4. Isolating information into parts

- A) A-2; B-1; C-3; D-4
- B) A-1; B-2; C-3; D-4
- C) A-4; B-3; C-1; D-2
- D) A-3; B-1; C-4; D-2

**Q.33 Learning objectives mean**

- A) Learning experience
- B) Concise outcomes
- C) Academic achievement
- D) Intended learning outcomes