

## UGC NET Dec 2020 and June 2021 20<sup>th</sup> November Morning Shift

1.) Consider the following table that shows the percentage (%) distribution of workforce of India and ratio of male to female workforce of India in different employment sectors during a give year. Total workforce in all the sectors put together is 80 lakhs. Based on the data contained in the table, answer the question:

Sector-wise Distribution of Workforce of India

Employment Sector	Workforce of India	
	Percentage (%) Distribution	Ratio of Male to Female (M: F)
Service (SE)	15%	3:2
Sales (SA)	12%	5:3
Construction and Maintenance (M)	9%	5:4
Professional (PR)	18%	5:7
Management (MA)	21%	3:4
Production and Transport (PT)	19%	5:3
Others (OT)	6%	3:5

What is the average number of male workforce in all the sectors put together? (rounded-off to two decimal places)

- (A) 6.39 lakhs
- (B) 4.69 lakhs
- (C) 5.96 lakhs
- (D) 7.48 lakhs

2.) Consider the following table that shows the percentage (%) distribution of workforce of India and ratio of male to female workforce of India in different employment sectors during a give year. Total workforce in all the sectors put together is 80 lakhs. Based on the data contained in the table, answer the question:

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Others (OT)	6%	3:5

The number of female workforce in SE and PR sectors put together is what percent of the number of male workforce in CM sector?

- (A) 330%
- (B) 318%
- (C) 320%
- (D) 80%

3.) Consider the following table that shows the percentage (%) distribution of workforce of India and ratio of male to female workforce of India in different employment sectors during a give year. Total workforce in all the sectors put together is 80 lakhs. Based on the data contained in the table, answer the question:

Sector-wise Distribution of Workforce of India

Employment Sector	Workforce of India	
	Percentage (%)	Ratio of Male to

	Distribution	Female (M: F)
Service (SE)	15%	3:2
Sales (SA)	12%	5:3
Construction and Maintenance (M)	9%	5:4
Professional (PR)	18%	5:7
Management (MA)	21%	3:4
Production and Transport (PT)	19%	5:3
Others (OT)	6%	3:5

The number of male workforce in SA and MA sectors put together is approximately what percent of the total number of workforce in PT sector?

- (A) 82%
- (B) 87%
- (C) 89%
- (D) 85%

4.) Consider the following table that shows the percentage (%) distribution of workforce of India and ratio of male to female workforce of India in different employment sectors during a give year. Total workforce in all the sectors put together is 80 lakhs. Based on the data contained in the table, answer the question:

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Management (MA)	21%	3:4
Production and Transport (PT)	19%	5:3
Others (OT)	6%	3:5

The difference in the number of female workforce in SA and MA sectors put together and the number of female workforce in PT sector is :

- (A) 5.1 lakhs
- (B) 7.5 lakhs
- (C) 5.7 lakhs
- (D) 13.2 lakhs

5.) Consider the following table that shows the percentage (%) distribution of workforce of India and ratio of male to female workforce of India in different employment sectors during a give year. Total workforce in all the sectors put together is 80 lakhs. Based on the data contained in the table, answer the question:

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Production and Transport (PT)	19%	5:3
Others (OT)	6%	3:5

What is the ratio of the number of female workforce in CM sector compared to the number of male workforce in PR and OT sectors put together?

- (A) 17 : 39
- (B) 16 : 37
- (C) 16 : 35
- (D) 16 : 39

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

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

7.) The following is a list of some basic teaching competencies identified through various researches on teaching. Which among of them fall in the domain of behavioural competencies?

- A. Self efficacy
- B. Planning
- C. Locus of control
- D. Communicating
- E. Flexibility

Choose the correct answer from the options given below:

- (A) A and B
- (B) B and C
- (C) D and E
- (D) B and D

8.) Match List I with List II.

List I gives the methods of teaching in Institutions of higher learning while List II provides the techniques of increasing effectiveness of the method.

List I

Methods of teaching

- A. Face to face interactive method
- B. Open and distance learning method
- C. Individualized method of teaching
- D. Online methods of teaching

List II

Techniques for increasing effectiveness

- I. Using Swayam and Moocs
- II. Programmed instructional packages
- III. Modular instructional material
- IV. Reflective questions coupled with discussion

Choose the correct answer from the option given below:

- (A) A-I, B-II, C-III, D-IV
- (B) A-III, B-IV, C-I, D-II
- (C) A-IV, B-III, C-II, D-I
- (D) A-II, B-I, C-IV, D-III

9.) Given below are two statements

Statement I: Achievement and aptitude tests are designed to assess the upper limits of the examinees' knowledge and abilities.

Statement II: Objective personality tests and projective personality tests are designed to measure the typical behaviour and characteristics of examinees.

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

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

Assertion A: The purpose underlying modern and ICT based support system in teaching is to optimise learning outcomes.

Reasons R: An effective instructional support system has to be linked with enhancement of learning conditions.

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

11.) Which type of research encourages participant's perspective?

- (A) Ethnographic method
- (B) Historical research
- (C) Exegetic research
- (D) Experimental research

12.) Hypothesis testing which results into either affirmation or disaffirmation is the explicit concern in which methods of research?

- A. Descriptive method
- B. Experimental method
- C. Ex Post Facto method
- D. Historical method
- E. Exegetical method

Choose the correct answer from the options given below:

- (A) A and B
- (B) B and C
- (C) C and D
- (D) D and E

13.) Match List I with List II.

List I

Steps of research

- A. Problem formulation
- B. Hypothesis making
- C. Selecting a sampling procedure
- D. Data Analysis

List II

Techniques used

- I. Tabular and graphical representation of data
  - II. Drawing a subset from a larger set
  - III. Raising pivotal question in a field of enquiry
  - IV. Setting up relationship among variables of research
- Choose the correct answer from the option given below:
- (A) A-III, B-IV, C-II, D-I
  - (B) A-I, B-II, C-III, D-IV
  - (C) A-II, B-III, C-I, D-IV
  - (D) A-III, B-I, C-II, D-IV

- 14.) Given below are two statements  
Statement I: There is no difference between format and styles of writing and referencing in a thesis and a research article.  
Statement II: Research ethics and its observance is mandatory for all researches.  
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

- 15.) Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.  
Assertion A: A research hypothesis (H<sub>1</sub>), has to be tested with the help of a Null hypothesis called (H<sub>0</sub>).  
Reasons R: Tenability of research hypothesis (H<sub>1</sub>) cannot be directly affirmed.  
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

- 16.) Every year Press Council of India celebrates the National Press-Day on:
- (A) January 30
  - (B) May 30
  - (C) October 15
  - (D) November 15

- 17.) Which Newspaper logo bears "Let Truth prevail"?
- (A) The Statesman
  - (B) Times of India
  - (C) The Tribune
  - (D) The Hindu

- 18.) Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.  
Assertion A: The more performative broadcast is also more cohesive and popular, but owing to new media its effect is decreasing.  
Reasons R: Internet is tending to eclipse broadcast media.  
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

19.) For emerging field of mass communication researcher Paul Lazarsfeld proved to be seminal thinker and researcher in what way?

- A. For exploring the potential of Social Science methods.
- B. For providing training with a high level of entrepreneurial skill.
- C. For raising the standard of American Education System.
- D. For making assumptions that media have limited direct effect.

Choose the most appropriate answer from the options given below:

- (A) A and B only
- (B) B and C only
- (C) C and D only
- (D) A and D only

20.) From the list given below, identify the psychological barriers to communication

- A. Noise
- B. Invisibility
- C. Prejudice
- D. Disinterest
- E. Inattention

Choose the most appropriate 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 D only

21.) The average monthly expenditure of a family was Rs. 4,000/- for the first 3 months; Rs. 4,500/- for the next 4 months and Rs. 5,000/- for the last 5 months of a year. If the total saving during the year was Rs. 5,000, find the average monthly income of the family

- (A) Rs. 3,000/-
- (B) Rs. 4,000/-
- (C) Rs. 5,000/-
- (D) Rs. 6,000/-

22.) Find the average of all prime numbers between 70 to 90

- (A) 76.5
- (B) 98.25
- (C) 55.75
- (D) 56.75

23.) By selling 33 litres of milk, one gains the selling price of 11 litres. Find the gain in percentage :

- (A) 25%
- (B) 50%
- (C) 70%
- (D) 80%

24.) If the cost price is 95% of the selling price, then what is the profit in percentage?

- (A) 4.26%
- (B) 5.26%
- (C) 5%
- (D) 7.2%

25.) If someone sells an item at a cost of Rs. 1,200/- with a loss of 25%, at what cost she/he should have sold it to get a profit of 30%?

- (A) Rs. 1,600/-
- (B) Rs. 2,000/-
- (C) Rs. 2,080/-
- (D) Rs. 1,560/-

26.) Which one of the following sources of knowledge (pramāna) in classical Indian Philosophy is based on similarity of the unobserved object with a known object?

- (A) Arthāpatti
- (B) Anumāna
- (C) Upamāna
- (D) Unuplabdhi

27.) What is the correct sequence of steps in case of inference according to Indian Logic?

- A. Statement of similarity/applicability of the example to case in consideration (upanaya)
- B. Statement of Reason (hetu)
- C. Affirmation of the thesis as proved (nigmana)
- D. Statement of thesis (Pratijñā)
- E. Giving an example of the underlying rule (udāharana)

Choose the correct answer from the options given below:

- (A) D, E, A, C, B
- (B) D, C, B, A, E
- (C) D, B, E, A, C
- (D) D, E, A, B, C

28.) Which of the following schools of Classical Indian Philosophy reduce Saba pramāna (verbal authority) to inference?

- A. Nayāya
- B. Vaisesikas
- C. Buddhists
- D. Mīmāṃsā
- E. Cārvāka/Lokāyata

29.) Given below are two statements

Statement I: According to classical Indian Logic the psychological sequence also corresponds to the logical sequence.

Statement II: The logical structure represents not how we ought to infer, but how, as a matter of fact, we do infer.

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

30.) Match List I with List II:

List I	List II
Steps of Argument	Propositions
A. Affirmation of the thesis as	I. Wherever there is smoke, there is

proven	fire as in the kitchen
B. Statement of reason	II. There is fire on the hill
C. Giving an example of underlying rule	III. Therefore there is fire on the hill
D. Statement of thesis to be established	IV. Because there is smoke

Choose the correct answer from the option given below:

- (A) A-I, B-III, C-IV, D-II
- (B) A-IV, B-III, C-I, D-II
- (C) A-III, B-IV, C-I, D-II
- (D) A-II, B-I, C-III, D-IV

31.) An IT Company has recently produced a new laptop model that uses less power, is smaller in size and weighs less than previous laptop models.

The technology that has been used to accomplish this, is:

- (A) Faster RAM
- (B) Blu-Ray Drive
- (C) Solid State Hard Drive
- (D) LCD Technology

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

Assertion A: Every general-purpose computer must have an Operating System (OS) installed on it.

Reasons R: Man and Computer cannot communicate directly.

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

33.) Identify the correct order of the following storage capacities ranked from largest to smallest capacity

- A. 1500 M Bytes
- B. 5 K Bytes
- C. 1 G Bytes
- D. 2 T Bytes

Choose the correct answer from the option given below:

- (A) D, A, C, B
- (B) A, D, C, B
- (C) A, B, C, D
- (D) D, C, A, B

34.) Given below are two statements regarding a smartphone that has both Bluetooth and Wi-Fi technology:

Statement I: Wi-Fi has a shorter range than Bluetooth.

Statement II: Wi-Fi can transmit data at a faster rate than Bluetooth.

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



35.) Match List I with List II:

List I

(Computer Terms)

- A. OCR
- B. OMR
- C. Email
- D. Instant Messaging

List II

(Purpose)

- I. Used to scan typed or handwritten documents
- II. Used to mark multiple-choice examinations
- III. Asynchronous communication
- IV. Synchronous communication

Choose the correct answer from the option given below:

- (A) A-II, B-I, C-IV, D-III
- (B) A-II, B-I, C-III, D-IV
- (C) A-I, B-II, C-III, D-IV
- (D) A-I, B-II, C-IV, D-III

36.) Which of the following is an ozone depleting substance?

- (A) Sulphur dioxide
- (B) Methyl chloride
- (C) Carbon dioxide
- (D) Methane

37.) Which of the following sources of energy is not a form of solar power?

- (A) Tidal Power
- (B) Wind Power
- (C) Coal
- (D) Hydro Power

38.) Which of the following natural hazards is characterized by progressive occurrence and multicausality?

- (A) Earthquake
- (B) Volcanic eruption
- (C) Epidemic
- (D) Storm

39.) The abbreviation NMSHE, in the context of Climate Action Plan of Govt. of India, stands for

- (A) National Mission on Solar-Hydro Energy
- (B) National Mission on Sustaining Himalayan Ecosystem
- (C) National Mission on Sustainable Hydrogen Energy
- (D) National Mission on Survey of Himalayan Ecosystem

40.) Which of the following pollutants have adverse implications for human health as well as climate change?

- A. Nitrogen dioxide
- B. Particulate matter (PM2.5)
- C. Ozone
- D. Methane
- E. Nitrous oxide

Choose the correct answer from the options given below:

- (A) B, C and D only
- (B) A, B and C only
- (C) B and D only
- (D) B and C only

41.) In context of Higher Education, Hon'ble Supreme Court directed which of the following national body/organisation to frame and prescribe a course in Environment Education?

- (A) UGC
- (B) NCTE
- (C) NCERT
- (D) AICTE

42.) Match List I with List II.

List I names various organizations while List II gives their location:

List I

- A. NAAC
- B. NIEDA
- C. NDRI
- D. CDRI

List II

- I. Delhi
- II. Bengaluru
- III. Lucknow
- IV. Karnal

Choose the correct answer from the option given below:

- (A) A-II, B-III, C-I, D-IV
- (B) A-II, B-I, C-IV, D-III
- (C) A-III, B-II, C-I, D-IV
- (D) A-IV, B-III, C-II, D-I

43.) NEP-2020 proposes to establish NETF. What are the stipulated functions of this body?

- A. Articulate new directions for research and innovation in technology.
- B. Provide a platform for free exchange of ideas on use of technology to understand learning.
- C. Engage multilingual experts to help promotion of all Indian Languages.
- D. Advancing international research efforts to address global challenges in healthcare agriculture and climate change using AI (Artificial Intelligence).
- E. Build intellectual and institutional capacities in Educational technology.

Choose the correct answer from the options given below:

- (A) A, D, E only
- (B) A, B, E only
- (C) B, D, E only
- (D) A, C, D only

44.) Which of the following are e-learning platforms?

- A. SWAYAM
- B. PARAKH
- C. SWAYAMPRAKHA
- D. DIKSHA
- E. MOOC

Choose the correct answer from the options given below:

- (A) A, B, E only
- (B) A, C, D only
- (C) B, C, D only
- (D) C, D, E only

45.) Which among the following goals adopted by the UN member States in 2015 is related to SDG-4?

- (A) Good health and well being
- (B) Quality education
- (C) Poverty alleviation
- (D) Industry innovation and infrastructure

46.) Read the passage carefully and answer the questions that follow:

The Corona Virus COVID-19 pandemic is the defining global health crisis of our time and the greatest challenge we have faced since World War Two. Since its emergence in Asia late Last year, the virus has spread to every continent except Antarctica. We have now reached the tragic milestone of one million deaths, and the human family is suffering under an almost, intolerable burden of loss. But the pandemic is much more than a health crisis, it's also an unprecedented socio economic crisis. Stressing every one of the country it touches. It has the potential to create devastating social, economic and political effects that will leave deep and longstanding scars. UNDP is the technical lead in the UN's socio economic recovery, alongside the health response lead by WHO, and the Global Humanitarian Response Plan, and working under the leadership of the UN Resident Coordinators. Every day, people are losing jobs and income, with no way of knowing when normality will return. Small island nations, heavily dependent on tourism, have empty hotels and deserted beaches. The International Labour Organisation estimates that 400 million jobs would be lost. The World Bank projects a US \$110 billion decline in remittances this year, which could mean 800 million people will not be able to meet their basic needs.

The major crisis faced by the world since World War II is in which area?

- (A) Industrial
- (B) Technological
- (C) Communication
- (D) Health

47.) Read the passage carefully and answer the questions that follow:

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The pandemic has left which of the following area unaffected?

- (A) Social
- (B) Economic
- (C) Travel and tourism

(D) Telecommunication

48.) Read the passage carefully and answer the questions that follow:

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Which continent is least affected by COVID-19?

- (A) Asia
- (B) North America
- (C) Australia
- (D) Antarctica

49.) Read the passage carefully and answer the questions that follow:

The Corona Virus COVID-19 pandemic is the defining global health crisis of our time and the greatest challenge we have faced since World War Two. Since its emergence in Asia late Last year, the virus has spread to every continent except Antarctica. We have now reached the tragic milestone of one million deaths, and the human family is suffering under an almost, intolerable burden of loss. But the pandemic is much more than a health crisis, it's also an unprecedented socio economic crisis. Stressing every one of the country it touches, it has the potential to create devastating social, economic and political effects that will leave deep and longstanding scars. UNDP is the technical lead in the UN's socio economic recovery, alongside the health response lead by WHO, and the Global Humanitarian Response Plan, and working under the leadership of the UN Resident Coordinators. Every day, people are losing jobs and income, with no way of knowing when normality will return. Small island nations, heavily dependent on tourism, have empty hotels and deserted beaches. The International Labour Organisation estimates that 400 million jobs would be lost. The World Bank projects a US \$110 billion decline in remittances this year, which could mean 800 million people will not be able to meet their basic needs.

Which of the following organizations has given technical lead in the UN's socio-economic recovery plan?

- (A) UNDP
- (B) UNICEF
- (C) UN-GHRP
- (D) UNSC

50.) Read the passage carefully and answer the questions that follow:

The Corona Virus COVID-19 pandemic is the defining global health crisis of our time and the greatest challenge we have faced since World War Two. Since its emergence in Asia late Last year, the virus has spread to every continent except Antarctica. We have now reached the tragic milestone of one million deaths, and the human family is suffering under an almost, intolerable burden of loss. But the pandemic is much more than a health crisis, it's also an unprecedented socio economic crisis. Stressing every one of the country it touches, it has the potential to create devastating social, economic and political effects that

will leave deep and longstanding scars. UNDP is the technical lead in the UN's socio economic recovery, alongside the health response lead by WHO, and the Global Humanitarian Response Plan, and working under the leadership of the UN Resident Coordinators. Every day, people are losing jobs and income, with no way of knowing when normality will return. Small island nations, heavily dependent on tourism, have empty hotels and deserted beaches. The International Labour Organisation estimates that 400 million jobs would be lost. The World Bank projects a US \$110 billion decline in remittances this year, which could mean 800 million people will not be able to meet their basic needs.

In the wake of COVID-19 which of the following organisations/establishments will have least chances of closure?

- (A) Tourism industry
- (B) Health care centres
- (C) Industrial establishments
- (D) Educational institutions