

UGC NET Dec 2019 6th December Evening Shift

1.) The compositional skills and creativity in presentation of students can be most effectively evaluated by which of the following tests?

- (A) Objective type tests
- (B) Essay type tests
- (C) Short answer tests
- (D) Projective type tests

2.) The converse of “All cats are mammals” is

- (A) Some mammals are not cats
- (B) No mammals are cats
- (C) Some mammals are cats
- (D) All mammals are cats

3.) A college teacher presents a research paper in a seminar. The research paper cites references which are pretty old. This situation will be described as the case of

- (A) Technical lapse
- (B) Ethical lapse
- (C) Academic ignorance
- (D) Inability of updating research source

4.) Which of the following factors have been labelled as ‘social competence’ in influencing learning?

- (a) Socio-economic status
 - (b) Motivation
 - (c) Intelligence-general and specific
 - (d) Emotional well being
 - (e) Inability to translate thoughts into action
- Choose your answer from the following options:
- (A) (a), (b) and (c) only
 - (B) (b), (c) and (d) only
 - (C) (a), (b) and (d) only
 - (D) (c), (d) and (e) only

5.) A student obtains overall 78% marks in his examination consisting of Physics, Chemistry, Mathematics, Computer Science and General English. Marks obtained in each subject and the maximum marks are indicated in the following table

Subject	Physics (200 max marks)	Chemistry (100 max marks)	Mathematics (200 max marks)	Computer Science (200 max marks)	General English (100 max marks)
Marks Obtained	155	80	165	140	X

The marks (X) obtained by the student in General English would be

- (A) 68

- (B) 74
- (C) 84
- (D) 90

6.) Determine the term 'X' in the following series

2, 9, 20, 35, 54, 77, 'X'

- (A) 104
- (B) 102
- (C) 89
- (D) 110

7.) Given below are two statements – one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A: Pedagogy and social interaction are two major result-oriented activities of a teacher

Reasons R: Communication has a limited role in both these activities

In the light of the above stated two statements, choose the correct option from the choices given below:

- (A) Both A and R are true and R is the correct explanation of A
- (B) Both A and R are true and R is not the correct explanation of A
- (C) A is true, but R is false
- (D) A is false, but R is true

8.) If data has been recorded using technical media, which among the following is a necessary step on the way to its interpretation?

- (A) Transcription
- (B) Structural Equation Modelling
- (C) Sequential Analysis
- (D) Sampling

9.) At the stage of data analysis, in which quantitative techniques have been used by a researcher, the evidence warrants the rejection of Null Hypothesis (H_0). Which of the following decisions of the researcher will be deemed appropriate?

- (A) Rejecting the (H_0) and also the substantive research hypothesis
- (B) Rejecting the (H_0) and accepting the substantive research hypothesis
- (C) Rejecting the (H_0) without taking any decision on the substantive research hypothesis
- (D) Accepting the (H_0) and rejecting the substantive research hypothesis

10.) A circle has the same area as that of a square of diagonal of length 11.0 cm. What is the diameter of the circle?

- (A) ~ 8.7 cm
- (B) ~ 17.4 cm
- (C) ~ 7.8 cm
- (D) ~ 15.6 cm

11.) Consider the following with reference to the Indian School of logic

- (a) It is related to form of the argument only
- (b) It is related to the content of the argument only
- (c) It is related to perceptual knowledge alone

(d) It is related to presenting analogies alone

Choose your answer from the following options:

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

12.) Match Set I with Set II

Set I

(Research Tools)

- (a) Questionnaire and Interview
- (b) Intelligence and Aptitude Tests
- (c) Attitude and Value Tests
- (d) Speed and Frequency Tests

Set II

(Measurement Scale)

- (i) Ratio Scale
- (ii) Ordinal Scale of measurement
- (iii) Interval Scale of measurement
- (iv) Nominal Scale of measurement

Choose your answer from the following options:

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

13.) Successful educational communication is dependent upon the skills of

- (a) Understanding the negative characteristics of the audience
- (b) Verbal communication and body language
- (c) Estimating time for audience impact
- (d) Analysing the audience needs

Choose your answer from the following options:

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

14.) In an intervention based action research process, which of the following is the usually recommended sequence?

- (A) Plan, Act, Observe and Reflect
- (B) Observe, Plan, Act, and Reflect
- (C) Reflect, Plan, Act, and Observe
- (D) Observe, Act, Reflect and Plan

15.) In the statement “No dogs are reptiles”, which terms are distributed?

- (A) Only subject term

- (B) Only predicate term
- (C) Both subject and predicate terms
- (D) Neither subject nor predicate terms

16.) Identify the sequence which correctly indicates the order for ensuring teaching-learning activities in a constructivist approach

- (A) Explore, Explain, Engage, Extend, and Evaluate
- (B) Evaluate, Extend, Engage, Explain and Explore
- (C) Explain, Engage, Explore, Evaluate and Extend
- (D) Engage, Explore, Explain, Evaluate and Extend

17.) Which of the following will help overcome communication barriers?

- (A) Focused listening
- (B) Neglecting semantic noise
- (C) Top-down command structure
- (D) Use of cliched idioms

18.) “Mr X lives in a slum and is unemployed. Therefore, Mr X deserves to be a minister.”

Which kind of fallacy is committed in this argument?

- (A) Fallacy of composition
- (B) Ad misericordium
- (C) Fallacy of Division
- (D) Fallacy of Accident

19.) The two cities P and Q are 360 km apart from each other. A car goes from P to Q with a speed of 40km/hr and returns to P with a speed of 60km/hr. What is the average speed of the car?

- (A) 45 km/hr
- (B) 48 km/hr
- (C) 50 km/hr
- (D) 55 km/hr

20.) The main purpose of using ICT for classroom teaching is to

- (A) Make the classroom instructions interesting
- (B) Divert students' attention in the class
- (C) Keep students engaged in the class
- (D) Optimize learning outcomes of teaching

21.) Which of the following theories can be applied to classroom communication?

- (A) Theory of Social Constructivism
- (B) Audience Marginalization Theory
- (C) Ritualistic Theory
- (D) Theory of Hegemony

22.) Which of the following is not a necessary step when you present an argument based on inference before the others according to the Classical Indian School of Logic?

- (A) Nigamana
- (B) Upamana
- (C) Upanaya

(D) Udaharana

23.) Which of the following will be considered key teaching behaviour belonging to the category of effectiveness?

- (a) Making ideas clear to learners who may be at different level of understanding
- (b) Showing enthusiasm and animation though variation in eye contact, voice and gestures
- (c) Using student ideas by acknowledging and summarizing
- (d) Probing through general questions and shifting a discussion to some higher thought level
- (e) Using meaningful verbal praise to get and keep students actively participating in the learning process

Choose your answer from the following options:

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

24.) Effective educational communication is

- (A) Non-reciprocal
- (B) Repetitive
- (C) Continuous
- (D) Coercive

25.) A shopkeeper sells a refrigerators for Rs 22,000 and makes a profit of 10%. If he desires to make a profit of 18%, what should be his selling price?

- (A) Rs 23,600
- (B) Rs 39,600
- (C) Rs 36,000
- (D) Rs 24,600

Based on the data in the table, answer the questions that follow

The table shows the percentage (%) profit earned by the company A, income of Company B and expenditure of Company B during the years, 2013-18 as well as formula to compute percentage(%) profit.

Year wise Financial Details (in Rs Lakhs)

Year	% Profit of A	Income of B (in Rs Lakhs)	Expenditure of B (in Rs Lakhs)
2013	40%	48.6	36
2014	25%	35	25
2015	60%	62.4	48
2016	40%	77	44
2017	10%	80	50
2018	20%	72	45

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

26.) What is the difference between percent (%) profit of company A and Company B in the year 2013?

- (A) 5%
- (B) 7%
- (C) 12%
- (D) 15%

27.) If the expenditure of Company A in year 2017 was Rs 45 lakhs, then the net profit (in Rs Lakhs) of Company A is what percent of net profit (in Rs Lakhs) of Company B in the same year?

- (A) 15%
- (B) 25%
- (C) 40%
- (D) 75%

28.) If the income of Company A in year 2018 was Rs 90 lakhs, then the net profit (in Rs Lakhs) of Company B in 2018 is what percent more than the net profit (in Rs Lakhs) of Company A?

- (A) 30%
- (B) 60%
- (C) 75%
- (D) 80%

29.) If the income of Company A in year 2014 happened to be Rs 32.5 lakhs, then what was the sum of the net profit (in Rs Lakhs) of Company A and Company B in 2014?

- (A) Rs 12.8 Lakhs
- (B) Rs 13.2 Lakhs
- (C) Rs 15 Lakhs
- (D) Rs 16.5 Lakhs

30.) The percent profit of Company B was maximum in the year?

- (A) 2014
- (B) 2015
- (C) 2016
- (D) 2017

31.) Match List I with List II:

List I (Software)

- (a) Web browser
- (b) Word processor
- (c) Spreadsheet
- (d) Web authoring

List II (Description)

- (i) Prepare written documents
- (ii) Create and edit web pages
- (iii) Connect to websites and display web pages
- (iv) Analyze and summarize numerical data

Choose your answer from the following options:

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

(D) (a)-(ii), (b)-(i), (c)-(iv), (d)-(iii)

32.) Select the option that contains exclusively the text file formats

- (A) JPEG, MP3, RTF
- (B) CSV, RTF, TXT
- (C) GIF, JPEG, MP3
- (D) CSV, MP3, PDF

33.) As per provisions of Paris Agreement, the Intended Nationally Determined Contributions (INDCs) are to be reviewed every

- (A) 15 years
- (B) 10 years
- (C) 5 years
- (D) 3 years

34.) The National Skills Qualifications Framework is based on which of the following?

- (A) Competency
- (B) Technology
- (C) Economic development
- (D) Evaluation

35.) Which of the following sequences of disposal options for low hazardous solid waste from industrial and urban sources is in order of increasing desirability?

- (A) Indiscriminate dumping < Landfill < Incineration < Reuse
- (B) Composting < Landfill < Reuse < Incineration
- (C) Landfill < Composting < Reuse < Incineration
- (D) Incineration < Composting < Reuse < Landfill

36.) Which of the following statements is/are correct?

- (a) The clock speed of a CPU is measured in hertz (Hz)
 - (b) Bluetooth technology consumes more power than Wi-Fi technology
- Choose the correct answer from the options given below

- (A) a only
- (B) b only
- (C) Both a and b
- (D) Neither a nor b

37.) Which of the following statements is/re correct?

- (a) A Local Area Network (LAN) is usually located on one brand of computer
- (b) The acronym 'ISP' stands for Internet Standard Provider

Choose the correct answer from the options given below

- (A) a only
- (B) b only
- (C) Both a and b
- (D) Neither a nor b

38.) Which among the following is a Massive Open Online Course platform created by the Ministry of Human Resource Development, Government of India?

- (A) PRATHAM
- (B) SWAYAM
- (C) FUTURELEARN
- (D) OPEN LEARN

39.) Identify the correct sequence of biomass fuels in terms of their energy content per unit mass

- (A) Dung(dry)> Coconut Shells > Unsorted domestic refuse
- (B) Unsorted domestic refuse > Coconut Shells > Dung(dry)
- (C) Wood (dry) > Coconut Shells > Unsorted domestic refuse
- (D) Coconut Shells > Dung(dry) > Unsorted domestic refuse

40.) Which among the following is the statutory function of the UGC?

- (A) To appoint teaching faculty in universities
- (B) To control the conduct of examination in universities
- (C) To determine and maintain the standards of teaching and research in universities
- (D) To develop curriculum for university courses

41.) Who among the following scholars carried back scriptures from Nalanda University and wrote about architecture and learning of this university?

- (A) Kim Huang (Korea)
- (B) Jin Tan Yang (Korea)
- (C) Xuan Zang (China)
- (D) Junha Meng (China)

42.) Given below are two statements – one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A: The clock speed of CPUs has not increased significantly in recent years

Reasons R: Software now being used is faster and therefore processors do not have to be faster

In the light of the above stated two statements, choose the correct option from the choices given below:

- (A) Both A and R are true and R is the correct explanation of A
- (B) Both A and R are true and R is not the correct explanation of A
- (C) A is true, but R is false
- (D) A is false, but R is true

43.) Which among the following recommended the establishment of State Council for Higher Education in each state?

- (A) Report of the Estimates Committee (1965-66)
- (B) Review Committee on UGC (1977), Ministry of Education
- (C) National Policy on Education (1986)
- (D) Report of the UGC Committee (1990)

44.) Suppose the concentration of Carbon dioxide, a greenhouse gas responsible for climate change, is 400 ppm. What is its concentration in air in percentage terms?

- (A) 0.04%
- (B) 0.4%
- (C) 0.004%
- (D) 4.0%

45.) Identify the correct group of disease caused by polluted water

- (A) Cholera, Acute Diarrhoea, Typhoid and Polio
- (B) Cholera, Typhoid, Enteritis and Tuberculosis
- (C) Typhoid, Enteritis and Tuberculosis
- (D) Cholera, Acute Diarrhoea, Typhoid and Tuberculosis

Read the given passage and answer the questions that follow

The motives for direct investments abroad are generally the same as earning higher returns, possibly resulting from higher growth rates abroad, more favourable tax treatment or greater availability of infrastructure and diversifying risks. Indeed, it has been found that firms with a strong international orientation, either through exports or through foreign production and/or sales facilities, are more profitable, and have a much smaller variability in profits than purely domestic firms. Although these reasons are sufficient to explain international investments, they leave one basic question unanswered with regard to direct foreign investments. That is, they cannot explain why the residents of a nation do not borrow from other nations and themselves make real investments in their own nation rather than accept direct investments from abroad. After all, the residents of a nation can be expected to be more familiar with local conditions, and thus to be at a competitive advantage with respect to foreign investors. There are several explanations for this. The most important is that many large corporations, usually in monopolistic and oligopolistic markets, often have some unique production knowledge or managerial skill that could easily and profitably be utilized abroad and over which the corporation wants to retain direct control. In such a situation, the firm will make direct investments abroad. This involves horizontal integration or the production at home. This helps serve the foreign market better by adapting to local conditions than through exports.

46.) What advantage do large corporations have in oligopolistic markets?

- (A) Direct control over profitability
- (B) large production of undifferentiated products
- (C) Localization of managerial skills
- (D) Eliminating barriers of higher profits

47.) The possible reasons for direct foreign investment can be

- (a) Higher returns
- (b) Better tax regimes
- (c) Availability of infrastructure
- (d) Risk Mitigation
- (e) Financial support from local investors

Choose your answer from the following options:

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

48.) In the case of direct foreign investments, what factor remains unaddressed?

- (A) Acceptance of foreign investment
- (B) Non-acceptance of foreign investment
- (C) Absence of competitive edge

(D) Role of monopolistic corporations

49.) Purely domestic firms are affected by

- (A) Low interest rate
- (B) Small variability of profits
- (C) Larger variability of profits
- (D) Export controls

50.) The passage focuses on the aspects mainly related to

- (A) indirect control over investments
- (B) International orientation of investment
- (C) Sales facilities
- (D) Risks involved in integration of production