

## UGC NET JUNE 2019 PAPER 1 (PAPER 1 HELD ON 25<sup>TH</sup> JUNE 2019)- ANSWER KEY

### 1. Answer-1

Reliability refers to the phenomenon where if the test is conducted again and again using the same sample it shall give same results, then only its shall be considered accurate else not.

### 2. Answer-3

Self-learning can be promoted only when an individual is made to realize of his competence and he is motivated to make efforts towards reaching that desired competence. This would foster self-learning along with determination.

### 3. Answer-3

Brain-storming is a phenomenon where a group of people usually discuss over an issue or a problem to find different alternatives or ideas for the same without criticizing someone's ideas. Once the ideas are generated then the group can discuss about each one of them.

### 4. Answer-4

Action research is meant to enhance the methods and approach towards solving problem especially in the field of education thus it can be used to give inputs that would help in teaching competence enhancement.

### 5. Answer-2

Dependent variables refer to the variables which are dependent on other variables, whereas independent variable is a variable which is not dependent on the other variables.

Control variable refers to the form of variable which though affects the dependent variable but is kept constant for the said experimentation.

A moderator is a variable that affects the strength of the relation between the dependent variable and independent variable. The values obtained from the dependent variables are used for the inference and statistical purposes.

### 6. Answer-4

Fish bowl method is a commonly used term that means drawing about random samples from the populations for the statistical analysis.

### 7. Answer-4

### 8. Answer-1

Workshop generally refers to an in hand experience on a specific type of skills that are meant to be taught in the program such as statistical tools such as SPSS,R-software workshops are held to teach about statistical analysis of data.

### 9. Answer-1

Close-ended questionnaires have pre-defined options already mentioned and hence respondents have no other choice than to mark them only as their answers.

**10. Answer-2**

Pilot study is done at a small scale for any bigger project to look for the feasibility study of the project.

**Reading Comprehension**

**11. Answer-2**

**12. Answer-4**

**13. Answer-3**

**14. Answer-1**

**15. Answer-1**

**16. Answer-2**

Gate keeping is act of taking full control over what can pass through the doors hence media keeps a close control over what should reach the audiences.

**17. Answer-3**

**18. Answer-4**

Since  $E=5$ , other 4 letters except E makes it to be  $7(12-5)$ , thus  $BALM = 7$ .

**19. Answer-1**

Human's have a tendency to only absorb what they like and discard what they don't like, this form is known as communication selectivity.

**20. Answer-2**

Both the statements are correct but the reason talks about the cultural aspect of communication and the assertion is related to the language as an art, hence it is not the correct explanation for the same.

**21. Answer-2**

Let us suppose the cost price of an article be 100, an the gain required 8% which means the after discount price shall be Rs108, now since the discount is 10% hence the price to be set shall be Rs120.

**22. Answer-1**

Interpersonal communications can take the form of both focused when the person is engrossed in the other person and unfocussed when the other person is simply listening to the conversation but not paying many attentions.

**23. Answer-3**

Rohan gave  $\frac{3}{5}$  of what he had so the left over is  $\frac{2}{5}$ . So the total amount is  $2000 * \frac{5}{2} = 5000$ , he gave 3000 to Sahil.

**24. Answer-4**

**25. Answer-2**

**26. Answer-3**

**27. Answer-2**

Let us suppose the total number of workers and executives are in ratio of 40:60 as given. Then the average is equal to  $\frac{40 * 39000 + 60 * 42000}{100} = 40800$ .

**28. Answer-2**

This is a form of negative feedback since the reply incorrect is a negative connotation proposing that the student is wrong and has negative implications for the students in the form of denial.

**29. Answer-1**

Whenever a comparison is made with the other object or thing it takes the form of analogical arguments, the movement from general to specific is an deductive argument and the movement from specific to general is an inductive argument. Hypothetical arguments are the arguments based on some or the other conditions.

**30. Answer-4**

Since the argument students are serious is false, only argument that would be correct is students are not serious whether the statement is related to "All or some".

**Data interpretations**

**31. Answer-3**

40% of 20lakhs by ABC Ltd = 8lakhs & 50% of 20lakhs by XYZ Ltd = 10 lakhs, average of both = 9lakhs  $(8+10/2)$

**32. Answer-2**

9 lakhs profit is 60% earned by XYZ in 2012 so the 100% would be  $9*100/60=15$ lakhs

**33. Answer-1**

Amount invested in 2013 is 8lakhs in ABC Ltd, profit is 50% of 8 lakhs i.e 4 lakhs, income shall be 12lakhs (Profit+Investment). Income for 2015 is 12 lakhs and profit is 60% of invested amount. Let the invested amount for 2015 be 100 then profit would be 60 and income shall be 160. By this method invested amount shall be  $12*100/160=7.5$ lakhs and Profit=4.5lakhs respectively.

**34. Answer-3**

If profit is 6.6lakhs which is 60% of the invested amount then investment is  $6.6*100/60=11$ lakhs, income shall be 17.6lakhs  $(11+6.6)$ .

**35. Answer-4**

Since the amount invested by both ABC & XYZ is equal in 2015, let us assume it to be 100, then the profits shall be 50 for ABC Ltd & 60 for XYZ Ltd respectively. Similarly income shall be 150 & 160 respectively (Income= investment + profit). Thus ratio 15:16.

**36. Answer-2**

First generation – Vacuum tubes, Second generations- Transistors, Third generations- Integrated circuits, Fourth generations- Microprocessors, Fifth generations- VLSI.

**37. Answer-1**

Rock salt, at least while it's underground, has two main properties: It can be soft and easy to mine, and it can form a watertight seal and hence its easy to dispose of the nuclear waste without being exposed or reacted.

**38. Answer-4**

**39. Answer-2**

**40. Answer-1**

The highest percentage of students is enrolled in Arts (34%).

**41. Answer-4**

Academic subjects like arts & commerce, professions like law and medical, skills based courses carpentering etc and Technical course is engineering.

**42. Answer-1**

DNS- Short for Domain Name System (or Service or Server), an Internet service that translates domain names into IP addresses.

URL- URL stands for Uniform Resource Locator. It is the address of a resource, which can be a specific webpage or a file, on the internet.

HTML- Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications.

HTTP- The Hypertext Transfer Protocol (HTTP) is an application-level protocol for distributed, collaborative, hypermedia information systems transfer, clearly URL gives the source or the location of the object.

**43. Answer-2**

MyGov is Government of India's innovative citizen engagement platform for direct citizen participation in governance by providing an avenue for channelizing their ideas, comments and creative suggestions to Central Ministries and associated organizations.

UMANG allows you to access Indian Government services online through web and mobile app such as provident fund services etc.

Bharat Interface for Money (BHIM) is an initiative to enable fast, secure, reliable cashless payments through your mobile phone.

Phone Pe is private limited company uses for digital payment system used for commercial purposes & business.

**44. Answer-2**

Ozone is a colorless and highly irritating gas that forms just above the earth's surface. It is called a "secondary" pollutant because it is produced when two primary pollutants react in sunlight and stagnant air. Rest other elements are primary pollutant because they are in their purest forms not a mixture of things.

**45. Answer-3**

Paris Agreement's long-term temperature goal is to keep the increase in global average temperature to well below 2 °C above pre-industrial levels; and to pursue efforts to limit the increase to 1.5 °C, recognizing that this would substantially reduce the risks and impacts of climate change.

**46. Answer-1**

Computer uses binary system 0,1 to store data and to perform any calculations.

**47. Question Scrapped**

**48. Answer-3**

**49. Answer-3**

**50. Answer-4**