

## **DEC 2018 PAPER 1 NTA UGC NET SOLVED PAPER**

Q.1 Which of the following statements best reflect the meaning and characteristics of research? Select from the code to give your Answer.

- (a) Research means challenging the status quo.
- (h) Research is an endeavour to collect facts and information.
- (c) Research is a synthesis of deductive and inductive processes.
- (d) Research means proving one's assertions and beliefs.
- (e) Research is a careful review of reported studies.
- (f) Research is a critical and passionate search for knowledge.

Code

- 1. (a), (c) and (f)
- 2. (a), (b) and (c)
- 3. (a), (e) and (f)
- 4. (b), (d) and (e)

Answer: 1

Q.2 Which devices from the list given below will form part of formative evaluation? Give your Answer by selecting from the code.

- (a) Conducting a quiz session
- (b) Giving multiple-choice type questions in post-instructional sessions
- (c) Giving a mastery test
- (d) Providing corrective feedback during discussions
- (e) Encouraging opportunity for metacognitive thinking
- (f) Grading students' performance on a five-point scale

Code:

- 1. (a), (d) and (e)

2. (a), (b) and (c)
3. (d), (e) and (f)
4. (b), (c) and (d)

Answer: 1

Q.3 The paradigm of research which focuses on the development of professional expertise of the researcher-practitioner is called:

1. Action research
2. Applied research
3. Qualitative research
4. Pure research

Answer: 1

Q.4 Identify the stage/steps of research in which ethical considerations become relevant. Choose from the code to give your Answer.

- (a) Identifying and defining research question
- (b) Postulating relationships among variables to advance a solution.
- (c) Collecting data through use of research tools
- (d) Defining the population and sampling procedure,
- (e) Data analysis and procedure employed
- (f) Reporting procedure of findings/results.

Code

1. (c), (e) and (f)
2. (b), (c) and (d)
3. (b), (c) and (f)
4. (a), (b) and (c)

Answer: 1

5 From The following list of learner characteristics identify those which will be helpful in ensuring effectiveness of teaching. Select your Answer from the code.

- (a) Extent to which learner obeys the school rules
- (b) Learner's level of motivation
- (c) Feelings of learners towards the social system
- (d) Learner's interest in sports and games
- (e) Prior experience of the learner
- (f) Interpersonal relations of learners

Code

- 1. (b), (e) and (f)
- 2. (a), (c) and (e)
- 3. (c), (d) and (e)
- 4. (a), (b) and (c)

Answer: 1

6 For organizing an effective teaching-learning system which of the following combinations of statements would reflect the most appropriate concern? Select from the code to indicate your Answer

- (a) Determining what will be the intended learning Outcome.
- (b) Deciding as to what strategy and tactics will be used.
- (c) Formally approving the academic qualifications of teachers.
- (d) Determining the evaluation tool to be used.
- (e) Deciding the size of the classroom.
- (f) Assessing the prior academic experience of the learner.

Code:

- 1. (a), (c), (d) and (e)
- 2. (c), (d), (e) and (f)

3. (a), (b), (d) and (f)
4. (a), (b), (c) and (d)

Answer: 3

Q.7 In order to promote direct learning which of the following methods would be best suited?

1. Discussion session
2. Project method
3. Team teaching method
4. Lecture with examples

Answer: 2

8 In the two sets given below, Set- I specifies the mothexis of research while Set II describes the critical feature associated with a method of research. Match the two and select from the code to indicate your Answer

Set I (Research methods)

- (a) Experimental method
- (b) Ex post facto method
- (c) Historical method
- (d) Ethnographic method

Set II (Critical features associated)

- (i) Generalizing to the population from a large sample
- (ii) Establishing the patterns of events which have happened, through primary and secondary sources
- (iii) Studying shared behaviour patterns
- (iv) Establishing, cause and effect through control
- (v) Probing into the causal factors from the observed effects

Code

- (a)    (b)    (c)    (d)

1. (i) (ii) (iii) (iv)
2. (ii) (i) (iv) (iii)
3. (ii) (iii) (iv) (v)
4. (iv) (v) (ii) (iii)

Answer: 4

9 In the two sets given below, Set I provides the format of presentation and Set II gives the distinct features to go with them. Match the two sets and set from the code to indicate your Answer.

Set – I (Format of presentation)

- (a) Thesis/ dissertation
- (b) Research paper
- (c) Workshop
- (d) Seminar

Set II (Distinctive features)

- (i) Based on free-wheeling of ideas
- (ii) Target oriented group based reflection
- (iii) Reflective deliberations based on specific themes
- (iv) Presentation on a summary of research done
- (v) Systematic prescribed format

Code

- |    | (a)  | (b)   | (c)   | (d)   |
|----|------|-------|-------|-------|
| 1. | (ii) | (i)   | (iii) | (v)   |
| 2. | (ii) | (iii) | (iv)  | (v)   |
| 3. | (i)  | (ii)  | (iii) | (v)   |
| 4. | (v)  | (iv)  | (ii)  | (iii) |

Answer: 4

10 Below are given a number of key behaviours as well as helpful behaviours of effectiveness of teaching based on research evidence. Identify these which are key behaviours and indicate your Answer key selecting from the code.

- (a) Structuring through comments by the teacher in respect of what is to come.
- (b) Questioning through content and process level questions.
- (c) Lesson clarity implying the extent to which presentations are not involved.
- (d) Probing which implies statements to encourage students to elaborate.
- (e) Engagement rate devoted to learning when students are actually on task.
- (f) Rate at which students understand and correctly comprehend assignments and exercises.

Code

- 1. (c), (e) and (f)
- 2. (b), (c) and (d)
- 3. (a), (d) and (f)
- 4. (a), (d) and (e)

Answer: 1

Comprehension:

Read the following passage carefully and Answer the questions from 11 to 15.

One of the findings of the research into successful leadership is the fact that respect is always a two-way street. No matter how powerful you are, no matter what your experience, skills, and accomplishments, you will not be respected by others if you consistently treat them disrespectfully. Friendliness- that is treating others politely and showing interest them is a way of showing your respect for other people, and in return they respect you. If as a manager you are respected, your preventive maintenance strategy will be accepted as a sincere attempt to resolve problems rather than a mean-spirited attempt to cause problems.

As important as friendliness is, I want to make sure you are not misled into believing that friendliness will replace or correct poor management. I have seen effective managers who didn't use this friendliness element but could have been more effective if they did use it. I have seen very friendly managers who were ineffective because they were not doing effective management things. In other words, managers who intervene effectively in a friendly way are always more effective than managers who intervene effectively in a friendly way. Maintaining a friendly relationship is another part of maintaining work

performance. It also helps you avoid having people try to hurt you because they don't like you. It might save your life.

Sub Question No: 11

Q.11 What is reported in respect of successful leadership?

1. Respect depends on the accomplishments of the leader.
2. Respect depends on the skills of the leadership.
3. Respect comes out of respect.
4. Respect depends on experience of the leadership.

Answer: 3

Sub Question No: 12

12 The preventive maintenance strategy used by a respected manager will mean to the subordinates:

1. An attempt to resolve problems
2. An attempt to become sincere
3. An attempt to become mean-spirited
4. An attempt to cause problems

Answer: 1

Sub Question No: 13

Q.13 The central idea of the passage is

1. Friendliness avoids chances of feeling hurt.
2. Friendliness is necessary for management.
3. Friendliness improves work-ethos.
4. Friendliness is a negative factor for management.

Answer: 3

Sub Question No: 14

Q.14 According to the passage friendliness in management terms implies:

1. Making management effective
2. Replacing poor management
3. Correcting ineffective management
4. Making management ineffective

Answer: 1

Sub Question No: 15

Q.15 The passage highlights which of the following feature of a successful leadership?

1. Dependence of the leader
2. Reciprocity of the leader
3. Independence of the leader
4. Least concern for relationship by the leader.

Answer: 2

Q.16 In terms of the relationship indicated below, which word will correctly pair to replace the question mark (?)?

\_\_\_\_\_ : play :: sing : song

1. Scene
2. Act
3. Field
4. Theater

Answer: 2

Q.17 In conveying the same meanings, which of the following is incongruous?

1. Prosper
2. Thrive
3. Excite
4. Flourish



Answer: 3

Q.18 Which of the following is a powerful determinant for effective assertive communication whether written or spoken?

1. I' messages
2. 'You' messages
3. They' messages
4. 'We' messages

Answer: 1

Q.19 In the sequence of numbers 2, 8, 26, 62, 122, 212, x, ....., the term x is:

1. 248
2. 332
3. 338
4. 302

Answer: 3

Q.20 Given below is a statement followed by three assumptions made from it. Which assumptions are implicit in the context of the given statement? Select the correct Answer from the side given below.

Statement: Smoking is injurious to health A warning printed on the cigarette packets

Assumptions: (a) People read printed matter on a cigarette packet.

(b) People make careful note of a warning.

(c) None-smoking promotes health.

Code:

1. Only (a) and (b)
2. Only (a)
3. Only (b) and (c)
4. Only (b)

Answer: 4

Q.21 Given below are two premises with four conclusions drawn from them (taken singly or given below together). Which conclusions are validly drawn? Select the correct Answer from the code given below.

Premises:

- (i) All politicians are honest persons.
- (ii) All honest persons are fair

Conclusions:

- (a) Some honest persons are politicians
- (b) No honest person is politicians
- (c) Some fair persons are politicians
- (d) All fair persons are politics

Code:

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

Answer: 4

22 The number of marble slabs of size 20 cm X 30 cm required to pave the floor of a square room of side 3 meters is 3

- 1. 225
- 2. 100
- 3. 3.150
- 4. 25

Answer: 3

23 Mr. Rajesh, his sister, his son, and his daughter are fond of golf and often play together. The following statements are true for all the four:

- (a) The best player's twin and worst player are of the opposite sex
- (b) The best player and the worst player are of the same age.

Assuming that both twins are members of the group of four, who is the best player?

- 1. Daughter of Mr. Rajesh
- 2. Mr. Rajesh
- 3. Sister of Mr. Rajesh
- 4. Son of Mr. Rajesh

Answer: 1

24 A teacher decides to form six groups of students and assigns a sub-theme to each group for discussion and reporting. Which kind of communication model will best describe his/her strategy in this regard?

- 1. Interactional model
- 2. Horizontal model
- 3. Linear model
- 4. Transactional model

Answer: 4

25 Five persons Amit, Anil, Ajay, Atul and Anand live in a five storey building on different floors. Amit live above Ajay but below Anand. Atul lives above Ajay but below Amit. Anil lives below Anand but above Atul. In which floor does Anil live?

- 1. Either third floor or fourth floor
- 2. Second floor
- 3. Fourth floor
- 4. Third floor

Answer: 1

26 In a certain code, LIFE is written as KMHJEGDF. How is WORD written in that code?

1. XVPNSQEC
2. VXNPQSCE
3. XVPNSQCE
4. VXNPQSEC

Answer: 2

27 ₹ 9000 were divided among a certain number of persons. Had there been 20 more persons, each would have got ₹ 160 less. The original number of persons was:

1. 55
2. 30
3. 45
4. 25

Answer: 4

28 Which of the following constitute the paralanguage in communication ? Select from the code to indicate your Answer.

- (a) Pitch of the voice
- (b) Internal noise
- (c) External noise
- (d) Use of pauses
- (e) Rate and volume of speech

Code

1. (a), (b) and (c)
2. (b), (c) and (d)
3. (a), (c) and (e)
4. (a), (d) and (e)

Answer:4

29 in communicating in a classroom situation which one of the following approaches will be considered most appropriate?

1. Empathetic and pragmatic
2. Assertive and conformist
3. Technical and domineering
4. Personal and emulative

Answer: 1

30 Which of the following would influence the effectiveness of communication in classroom instruction in a critical way?

1. Academic intelligence and personality characteristics of the teacher
2. Teaching aids used by the teacher while making presentations
3. Teaching style preferred by the teacher while transacting
4. Subject knowledge of the teacher

Answer: 3

### Comprehension

Consider the following two tables (I and II) in which table I shows the percentage of students who joined and successfully completed Ph.d programme from the Universities A to G and Table II shows the number of foreign Ph.D students enrolled in the University C. These percentages have been rounded to the nearest whole number. There are a total of 855 Ph.D students in the University C and a total of 5700 students successfully completed the Ph.D programme from all the seven Universities together.

In accordance with the tables I and II, Answer the questions that follow Questions (31 – 35):

**I : Students University - wise**

Name of University	% of students who joined Ph.D.	% of students who successfully completed Ph.D. (out of 5700)
A	22	18
B	15	17
C	10	13
D	17	16
E	08	09
F	12	15
G	16	12

**II : Foreign Ph.D. Students in University C**

Foreign Students	Number of Ph.D. students in University C
American	65
Australian	46
African	25
European	35

31 Which University has the highest percentage of students who successfully completed the Ph.D programme out of the students who joined that University?

1. E
2. F
3. B
4. C

Answer: 4

32 In case, there are 21 African students in University E, then approximately, what is their percentage in that University?

1. 4 %
2. 2 %
3. 3 %
4. 5 %

Answer: 3

33 The number of students who completed the Ph.D programme from Universities A and D together exceeds the number of students who joined the Universities C and E together, by:

1. 304
2. 369
3. 278
4. 399

Answer: 4

34 What percentage of students in University C is that of foreign students?

1. 30%
2. 25%
3. 15%
4. 20%

Answer: 4

Q.35 What is the ratio of students who successfully completed the Ph.D programme to the students who joined in the University G?

1. 6 :11
2. 9 :17
3. 3 : 4
4. 1 : 2

Answer: 4

Q.36 for promoting Human Values through programmes of the the University system in India, which of the following activities have great potential?

1. Mentoring by senior faculty members
2. Lectures by experts
3. Inviting dignitaries/heads from national level organisations
4. Association of NGOs

Answer: 4

37 The gap between those individuals in a society who are computer literate and have access to information resources like the Internet and those who do not, is referred to as the\_\_\_\_\_.

1. Digital divide
2. ICT divide
3. Information overload
4. Terabyte divide

Answer: 1

38 Which of the following statements are indicative the vision of Blue-Revolution?

For your Answer select from the code:

- (a) Proactive development of Botanical Gardens.
- (b) Creating an enabling environment for the full potential of fisheries in the country.
- (c) Improving the income status of fish farmers keeping in view the sustainability concerns.
- (d) Encouraging scientific research in forestry to increase the vegetative cover.
- (e) Promoting integrated developemnt of fieshries of the country.
- (f) Undertaking research in new areas like marine finfish.

Code:

1. (c), (d) and (e)
2. (b), (c) and (e)
3. (b), (c) and (a)
4. (a), (d) and (f)

Answer: 2

39 Which of the following statements correctly describe the functional/status of the National Institute of Educational Planning and Administration a deemed to be University?

- (a) Capacity building and research in planning and management of education.
- (b) Educational Planning and Administration



(c) Fully maintained by the Government of India like at any Central University

(d) A Statutory Institute of Educational Planning and Administration

1. (a) and (c)
2. (b) and (d)
3. (a) and (d)
4. (a) and (b)

Answer: 2

40 In the context of a School/University which of the following aspects of environment determine the academic ethos?

1. Well-equipped lecture halls
2. Attractive physical campus
3. Patterns of human relations as evident in workplace
4. Latest lab equipments

Answer: 3

41 Which of the following bodies/units in a University has a statutory function to perform?

1. Research Degree Committee
2. Finance Committee
3. Board of Management
4. Board of Studies

Answer: 3

42 Which organisation in India oversees the functioning and quality aspect of teacher education programme?

1. University Grants Commission (UGC)
2. Association of Indian Universities (AIU)
3. National Council of Educational Research and Training (NCERT)

4. National Council for Teacher Education (NCTE)

Answer: 4

43 In the two sets given below. Set I specifies H<sub>2</sub>S level in a water sample, while Set II provides observations. Match the wet and illicit your water from the code given below:

Set I (H<sub>2</sub>S level in Water Sample)

- (a) No H<sub>2</sub>S is produced
- (b) H<sub>2</sub>S is produced and is small in quantity
- (c) H<sub>2</sub>S is produced and is medium in quantity
- (d) H<sub>2</sub>S is produced and is high in quantity

Set II (Observation)

- (i) Dark black- high water pollution
- (ii) No colour- clean water
- (iii) Light black- low water pollution
- (iv) Black – moderate water pollution

Code:

- |    | (a)   | (b)   | (c)   | (d)   |
|----|-------|-------|-------|-------|
| 1. | (i)   | (ii)  | (iii) | (iv)  |
| 2. | (ii)  | (iii) | (iv)  | (i)   |
| 3. | (iii) | (iv)  | (i)   | (ii)  |
| 4. | (iv)  | (i)   | (ii)  | (iii) |

Answer: 2

44 Which of the following provisions are directly covered in the Environment Protection Act, 1986?

- 1. Protection and conservation forests and matters connected therewith.
- 2. Protection and safety of wild animals, birds and plants and for matters connected ther with
- 3. Prevention and control of water pollution

4. Protection and improvement of quality of environment and preventing, controlling and abating environmental pollution

ANS- 4

45 Mohan tells his friends, Sohan (sohan@gmail.com), Rohan (rohan@yahoo.com) and John (john@gmail.com), date of his birthday party through an email as shown below:

To	: sohan@gmail.com
Cc	: rohan@yahoo.com
Bcc	: john@gmail.com
Subject	: My Birthday Party is on 15/01/2019
Hello all,	
Call me if you can come.	
Mohan	

1. Sohan knows that Rohan receives the email.
2. John knows that both Sohan and Rohan receive the email.
3. Rohan known that John receives the email.
4. Sohan known that the birthday party will be held on 15/01/2019.

Answer: 3

46 Using a word processing software, an image on page two of a document is to be repeated on page four of the same document. Which of the following would enable this to happen?

1. Cut and Paste
2. Format and Replace
3. Find and Replace
4. Copy and Paste

Answer: 4

47 Which of the following activity /programme in a University aims at Value Education in a holistic frame?

1. National Cadet Corps (NCC)
2. Inter-University Competitions
3. Fine Arts and Musical Concerts
4. Yoga Education and Wellness Centres

Answer: 4

48 There are two sets given below. Set-I specifies the IT related acronyms, while Set- II indicates their functions. Match the two and give your Answer by selecting the appropriate code.

Set- I (Acronyms)

- (a) CPU
- (b) RAM
- (c) ROM
- (d) LCD

Set II (Functions)

- (i) Type of technology used on a flat-screen monitor.
- (ii) Controls all the functions performed by the computer's other components.
- (iii) Temporary storage, also known as primary storage.
- (iv) Permanent storage that is not erased when the computer's power is turned off

Code

- |    | (a)  | (b)   | (c)   | (d)  |
|----|------|-------|-------|------|
| 1. | (ii) | (iv)  | (iii) | (i)  |
| 2. | (i)  | (iii) | (iv)  | (ii) |
| 3. | (i)  | (iv)  | (iii) | (ii) |
| 4. | (ii) | (iii) | (iv)  | (i)  |

Answer: 4

Q.49. Below are given two sets. Set- I mentions the types of pollution, while Set- II indicates their source. Match the two sets and select your Answer from the code.

Set- I (Pollution Type)

- (a) Air
- (b) Land
- (c) Water
- (d) Noise

Set II (Source)

- (i) Point and non-point sources such as discharges from industries etc.
- (ii) Industries, thermal power plants and motor vehicles emissions.
- (iii) Roadway, aircraft, industrial as well as high intensity sonar
- (iv) Over use of chemical fertilizers.

Code :

- |    | (a)   | (b)   | (c)   | (d)   |
|----|-------|-------|-------|-------|
| 1. | (ii)  | (iv)  | (i)   | (iii) |
| 2. | (i)   | (ii)  | (iii) | (iv)  |
| 3. | (iii) | (i)   | (ii)  | (iv)  |
| 4. | (iv)  | (iii) | (ii)  | (i)   |

Answer: 1

Q.50. In computer terminology, which of the following best describes a device driver?

- 1. Hardware that allows interaction between peripheral devices and the operating system.
- 2. Hardware that allows the user to control the operating system.
- 3. Software that allows the user to control the operating system.
- 4. Software that allows interaction between peripheral devices and the operating system.

Answer: 4

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