SECTION-1
SET - ANDHRA PRADESH & TELANGANA

2012

1. Teaching is best described as a
(A) Occupation (B) Vocation
(C) Profession (D) Career

2. The chief objective of teaching is
(A) Transmission of existing knowledge
(B) Stimulate curiosity of students todiscover knowledge
(C) Help children to do well inexaminations
(D) To facilitate research

3. A "Good" learner is one who
(A) Listens attentively to teachers
(B) Has a questioning frame of mind
(C) Spends considerable time in library
(D) Prepares well for examination

4. Identify any three factors which contribute to effective teaching
(i) Art of communication
(ii) Subject mastery
(iii) Smart and handsome looks
(iv) Rapport with students

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

5. Programmed instruction is based on the principles of learning which is known as
(A) Software learning
(B) Motivation
(C) Reinforcement
(D) Systematic programming

6. Sentence completion tests are objective type of tests which measure
(A) Recognition ability
(B) Sentence knowledge
(C) Association skill
(D) Recall ability

7. Three of the following four attributes characterise research. Identify the one which is not an attribute of research
(A) Research is purposive
(B) Findings of research can be generalised for all contexts
(C) Research is logical and objective
(D) Research is based on accurate data

8. Match the following :

I	II
(A)Experimental	(p) Continuity of Method observations over time
(B) Descriptive	(q) InternalMethod criticism of data
(C) Historical	(r) Stratified Method sample
(D) Longitudinal	(s) Equivalence ofMethod groups

(A) (aq), (br), (cs) and (dp)
(B) (br), (cq), (dp) and (as)
(C) (cp), (dq), (as) and (br)
(D) (dq), (cp), (bs) and (ar)

9. Reorganise the following in anappropriate sequence
(i) Analysis and interpretation of data
(ii) Preparation of Research Report
(iii) Identification and selection of aproblem
(iv) Formulation of a research design
(v) Collection of data

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

10. One of the following behaviour does not confirm to research ethics. Identify the behaviour
(A) Copying passages from a book along with acknowledgement
(B) Arriving at a generalisation which the researcher feels as truth even though data do not support it
(C) Formulating hypothesis which is not confirmed by review of literature
(D) Using statistical techniques in qualitative research

11. One of the following forums will be directly relevant for administrative actions
(A) Seminar (B) Conference
(C) Workshop (D) Symposium

12. Quality of a good thesis is judged by three of the following four qualities
(i) Coherence across objectives and findings
(ii) Consistency between data, analysis and interpretation
(iii) A comprehensive review of literature
(iv) Number of references cited in the thesis
(A) (i), (ii) and (iii) (B) (i), (ii) and (iv)
(C) (ii), (iii) and (iv) (D) (i), (iii) and (iv)

Read the following passage and answer question numbers from **13** to **18** :

Often, as I (Nehru) wandered from meeting to meeting, I spoke to my audience of this India of ours, of Hindustan and of Bharata, the old Sanskrit name derived from the mythical founder of the race. Sometimes as I reached a gathering, a great roar of welcome would greet me : Bharat Mata Ki Jai – 'Victory to Mother India'. I would ask them unexpectedly what they meant by that cry, who was this Bharat Mata, Mother India, whose victory they wanted ? My question would amuse them and surprise them, and then, not knowing exactly what to answer they would look at each other and at me. I persisted in my questioning. At last a vigorous Jat, wedded to the soil from immemorial generations, would say that it was the dharti, the good earth of India, that they meant. What earth ? Their particular village patch, or all the patches in the district or province, or in the whole of India ? And so question and answer went on, till they would ask me impatiently to tell them all about it. I would endeavour to do so and explain that India was all this that they had thought, but it was much more. The mountains and the rivers of India, and the forests and the broad fields, which gave us food, were all dear to us, but what counted ultimately were the people of India, people like them and me, who were spread out all over this vast lan(D) Bharat Mata, Mother India, was essentially these millions of people, and victory to her meant victory to these people. You are parts of this Bharat Mata, I told them, you are in a manner yourselves, Bharath Mata and as this idea slowly soaked into their brains,their eyes would light up as if they had made a great discovery.

13. How did people greet Nehru when he went to address them ? They greeted him with
(A) Bharat Mata Ki Jai
(B) Victory to Mother India
(C) Jai Bharat Mata Ki
(D) Victory to Bharat Mata

14. Who was the person that gave the reply : Bharat Mata means "Dharti" ?
(A) everybody (B) a Jat
(C) a stranger (D) Nehru himself

15. When the villagers were questioned on their concept of 'Dharti', one of the following answers was not included
(A) Village patch (B) All patches of the district
(C) Mother Earth (D) Whole of India

16. Which part of Dharti gives us food ?
(A) Mountains (B) Rivers
(C) Forests (D) Broad fields

17. Victory to 'Bharat Mata' means, victory to
(A) People of the village
(B) All the people of India
(C) Millions of people
(D) Freedom fighters of India

18. What was the great discovery made by the villagers?
(A) We are all Bharat Mata
(B) Mother Earth is Bharat Mata
(C) Mountains, rivers, forests and fields are Bharat Mata
(D) The good earth of India is Bharat Mata

19. Effective classroom communication of a teacher depends upon three of the following four qualities. They are
(i) Content mastery
(ii) Clarity in language teaching
(iii) Consistency in presentation
(iv) Completing portions in time
(A) (i), (ii) and (iii) (B) (i), (ii) and (iv)
(C) (ii), (iii) and (iv) (D) (iii), (iv) and (i)

20. Three of the following four attributes of a teacher will become barriers in effective communication. Identify them
(i) Pronunciation of the teacher
(ii) Caste status of a teacher
(iii) Facial expressions of the teacher
(iv) Choice of words

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

21. Match the following behaviours of teachers with their communication-type

Behaviours	**Type**
(A) Teacher asks a	(p) Symbolic question
(B) Teacher writes a	(q) Digital diagram on the black board
(C) Teacher shows a	(r) Written CD to children
(D) Teacher beckons	(s) Oral a student to draw a graph on the black board

(A) (aq), (br), (cs) and (dp)
(B) (ar), (bs), (cp) and (dq)
(C) (as), (br), (cq) and (dp)
(D) (ap), (bq), (cr) and (ds)

22. The technique adopted to find out the level of acceptability of an individual by members of a group is
(A) Personality testing (B) Projective techniques
(C) Psychometry (D) Sociometry

23. Some of the following constraints are faced by first generation learners in college and university. Identify them.
(i) Sub-optimal command over English Language
(ii) Divergences in pronunciation of words
(iii) Not being pro-active in conversations
(iv) Not having proper height and weight

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

24. Who among the following distinguished scholars is considered as the father of communication science ?
(A) (B) F. Skinner (B) Jerome Bruner
(C) Wilbur Schramm (D) Kurt Lewin

25. In a certain code CLOCK is KCOL(C) How is STEPS written in the same code ?
(A) SPEST (B) SPSET
(C) SPETS (D) SEPTS

26. In the sequence of numbers 5, 8, 13, X, 34, 55, 89, ... the value of X is
(A) 20 (B) 21
(C) 23 (D) 29

27. The letters in the first set have certain relationship. On the basis of this relationship, make the right choice for the second set BF : GK : : LP : ?
(A) JK (B) QU
(C) VW (D) RQ

28. Select the pair of words which is different from the others
(A) Hard and soft (B) Hot and cold
(C) Come and arrive (D) Right and wrong

29. In an examination 25% of the candidates failed in Mathematics and 12% in English. If 10% of the candidates failed in both the subjects and 292 passed in both the subjects, the total number of candidates appeared in the examination was
(A) 300 (B) 400
(C) 460 (D) 500

30. If 5472 = 9, 6342 = 6 and 7584 = 6, what is 9236 ?
(A) 2 (B) 3
(C) 4 (D) 5

31. Five persons P, Q, R, S and T were travelling in a car. There were two ladies in the group. Of the three who knew car driving, one was a lady. There was one couple, of which only the wife could drive the car. P is brother of S. Q, wife of S, drove at the beginning. T drove at the end. Who was the other lady in the group ?
(A) T (B) S
(C) R (D) Data inadequate

32. All the students are boys. All boys are dancers. Which of the following inferences definitely follows from the above two statements ?
(A) All dancers are boys
(B) All boys are students
(C) All dancers are students
(D) All students are dancers

33. If a rectangle were called a circle, a circle a point, a point a triangle and a triangle a square, the shape of a wheel is
(A) Rectangle (B) Circle
(C) Point (D) Triangle

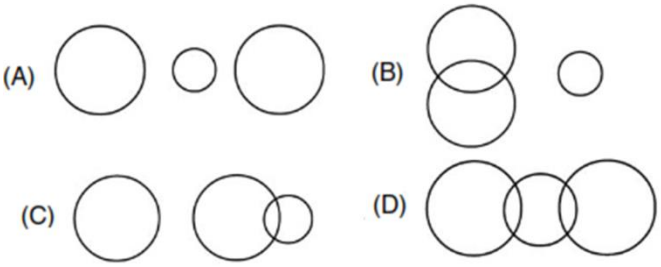
34. Manisha is eleventh from either end of a row of girls. How many girls are there in that row ?
(A) 19 (B) 20
(C) 21 (D) 22

35. A student who completes any graduate studies course shall develop three of the following four essential attributes. They are

(i) A questioning frame of mind
(ii) Skills of survey techniques
(iii) Good communication skills
(iv) Sensitivity to social problems

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

36. There are 600 students in a college. 325 are boys and 275 are girls, each represented by a big circle, out of which 50 boys and 40 girls are from rural areas, represented by a small circle. Which of the following diagram best represents the distribution in the college ?



For visually handicapped candidates :

36. Data in tables of a research report show that 20 out of 60 students in the first year of (B)(A) class of a college are girls. On a particular day of visit it is observed that 12 students are absent of whom 08 are girls. Attendance behaviour is poorer among girls than others. This observation is a case of
(A) Deductive logic (B) Transductive logic
(C) Inductive logic (D) Inferential logic

37. Which of the following sources of data can be classified as a primary source of data?
(A) Data available in UGC reports
(B) Data collected by interviews of UGC experts
(C) Data available from socio-cultural tables of census of India, 2011
(D) Data on Educated unemployment available in Directorate of Employment and Training

38. External and internal criticism of data is a standard measure engaged for validation of data in
(A) Historical Research
(B) Philosophical Research
(C) Descriptive Research
(D) Experimental Research

39. Identify the parameter which does not measure central tendency among the following parameters
(A) Statistical mean (B) Arithmetic mean
(C) Mode (D) Average deviation

40. Which of the following is not a measure of dispersion ?
(A) Quartile Deviation (B) Standard Deviation
(C) Kurtosis (D) Chi-square

41. The Universe for a research study comprises of 60000 students from rural and urban colleges, boys and girls, students of various social groups. Identify the best method of sampling.
(A) Purposive sampling
(B) Stratified sampling
(C) Quota sampling
(D) Stratified random sampling

42. Identify the verbal test from the given standard tests used in educational research
(A) Make a Picture Story Test (MAPS)
(B) Koh's Block Design Test
(C) Attitude scale
(D) Raven's Progressive Matrices

43. Match the following activities :

I	II
(A) Print media	(p) Kuchipudi Dance
(B) Electronic	(q) Telugumedia News Paper
(C) Folk media	(r) Tele conferencingby IGNOU
(D) Mass media	(s) Street plays

(A) (aq) (br) (cs) (dp)
(B) (ar) (bp) (cq) (ds)
(C) (aq) (br) (dp) (cs)
(D) (aq) (br) (cp) (ds)

44. 2 GB RAM, 3MB RAM, are common terms used while checking on the efficiency of a computer. RAM means
(A) Read All Materials
(B) Random Access Materials
(C) Random Access Memory
(D) Reliable Access Memory

45. You need to send an executive summary of 12 pages of a report of 120 pages on ICT in college education to 20 experts in the field by E-Mail. Identify the appropriate sequence from the following steps

(i) E-Mail Id
(ii) Attachment
(iii) Send
(iv) Compose

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

46. Information Technology is the generic name performing the following functions
(A) Data storage
(B) Data retrieval
(C) Data communication
(D) All of above

47. Information is stored in a computer in
(A) Random Access Memory
(B) CD-ROM
(C) Read Only Memory
(D) All of above

48. The best economic method of Data Processing is
(A) Batch processing
(B) Transaction processing
(C) Distributed processing
(D) Real time processing

49. Of the total energy consumption in India, domestic consumption is in the range of
(A) 10 to 15 percent (B) 25 to 40 percent
(C) 40 to 60 percent (D) 60 to 70 percent

50. Identify from the following the disease which is independent of pollution
(A) Tuberculosis (B) Bronchitis
(C) Peptic ulcer (D) Gastroenteritis

51. Identify the fossil fuels from the following contributors to global warming
(i) Coal (ii) Oil
(iii) Gas (iv) Bio-waste
(A) (i), (ii) and (iii) (B) (ii), (iii) and (iv)
(C) (iii), (iv) and (i) (D) (i), (ii) and (iv)

52. Match the following :

I	**II**
(A) Hydro-Electric	(p) Depleting source of source of Energy raw material
(B) Solar Energy	(q) Expensive per unit cost
(C) Thermal Energy	(r) Difficult to get raw materials
(D) Nuclear Energy	(s) Sustainable source

(A) (aq) (br) (cs) (dp) (B) (ar) (bs) (cp) (dq)
(C) (aq) (bs) (cp) (dr) (D) (ar) (bp) (cs) (dq)

53. Identify the chief sources of pollution from the following :
(A) Autorickshaws, lorries and coal operated trains
(B) Food, air and water
(C) Uncovered sewage tracks, tank-beds of stagnant ponds and public wells
(D) Hotels, hospitals and cremation Grounds

54. The slogan 'A tree for each child' was coined for
(A) Social Forestry Programme
(B) Clean Air Programme
(C) Social Conservation Programme
(D) Environmental Protection Programme

55. Identify any three common problems of distance education courses from the following :
(i) Study materials are not easily available
(ii) Study centres are not adequately equipped
(iii) Academic guidance and counseling by expert teams is inadequate
(iv) There is no regular personal contact with teachers

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

56. Corporate Governance in Higher Education means
(A) Governance of Colleges/Universities by Corporate Houses (industries)
(B) Participation of university faculty in governance of Colleges/Universities
(C) Inclusion of Corporate Houses as members on governing councils of Colleges/Universities
(D) Financing of Universities/Colleges by Corporate Houses

57. The famous statement 'Tolerance, Humanism and Universal Reason' are the values symbolised by University Education was made by
(A) Mahatma Gandhi (B) Dr. (D)(C) Kothari
(C) Jawaharlal Nehru (D) Rabindranath Tagore

58. Identify the pure discipline of knowledge as against applied disciplines
(A) Medical Education
(B) Technical Education
(C) Management Education
(D) General Education

59. ICSSR means
(A) Indian Centre for Science and Society Research
(B) Indian Council of Social Sciences Research
(C) Indian Conference of Social Sciences Research
(D) Indian Council for Science, Society and Rehabilitation

60. NAAC means
(A) National Assessment and Accreditation Council
(B) National Assessment and Accreditation Centre
(C) National Aviation and Aeronautics Centre
(D) National Accreditation and Accountability Council

ANSWERS KEY -2012

Q.No	KEY	Q.No	KEY	Q.No	KEY
1	C	26	B	51	A
2	B	27	B	52	C
3	B	28	C	53	A
4	C	29	All	54	D
5	C	30	A	55	A
6	D	31	C	56	B
7	B	32	D	57	C
8	B	33	C	58	D
9	D	34	C	59	B
10	B	35	C	60	A
11	C	36	D		
12	A	37	B		
13	A	38	A		
14	B	39	D		
15	C	40	D		
16	D	41	D		
17	B	42	C		
18	A	43	A		
19	A	44	C		
20	C	45	B		
21	C	46	D		
22	D	47	All		
23	A	48	A		
24	C	49	A		
25	C	50	C&D		

2013

1. The most polluted places in India are
(A) Gwalior and Bhopal
(B) Vapi and Sukinda
(C) Ranchi and Nasik
(D) Surat and Rampur

2. Which is the correct order of the degree of weathering of the following rocks ?
(A) Dunite > Basalt > Granite > Rhyolite
(B) Basalt >Dunite> Granite > Rhyolite
(C) Granite > Basalt >Dunite > Rhyolite
(D) Rhyolite > Granite >Dunite> Basalt

3. In a weight reduction experiment, an overweight individual was given what the researcher called a new type of diet tablet that would help curb the desire to eat. In fact the tablet contained powdered milk , but ever since the individual started taking the tablet, he has reported that his desire to eat has decreased. This illustrates the
(A) Curvilinear relationship
(B) Effect of extraneous variables
(C) A natural experiment
(D) Placebo effect

4. Communication will be effective if it is
(A) Delivered slowly and clearly
(B) Delivered using appropriate media
(C) Received as intended by the sender
(D) Received immediately

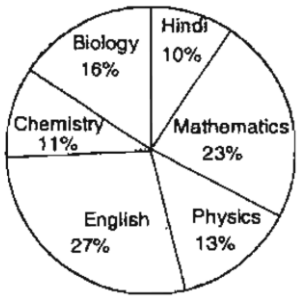
5. Arrange the following steps of teaching in logical sequence :
1. Relating the present knowledge with previous knowledge
2. Evaluation
3. Re-teaching
4. Formulating objectives

5. Presentation of 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

6. The research that aims at immediate application is
(A) Action Research
(B) Empirical Research
(C) Conceptual Research
(D) Fundamental Research

Directions (Q. 7–11) : Study the following pie-chart carefully to answer these questions. (Percentagewise Distribution of teachers who teach six different subjects) Total number of Teachers = 1800

Percentage of Teachers



7. What is the difference between the total number of teachers who teach English and Physics together and the total number of teachers who teach Mathematics and Biology together ?
(A) 16 (B) 26
(C) 28 (D) 18

8. What is the ratio of the number of teachers who teach Mathematics to the number of teachers who teach Hindi ?
(A) 10: 7 (B) 17: 13
(C) 17: 26 (D) None of these

9. If the percentage of Mathematics teachers is increased by 50 per cent and the percentage of Hindi teachers decreased by 25 per cent then what will be the total number of Mathematics and Hindi teachers together ?
(A) 946 (B) 843
(C) 1046 (D) None of these

10. If two-ninths of the teachers who teach Physics are female, then the number of male Physics teachers is approximately what percentage of the total number of teachers who teach Chemistry ?
(A) 97 (B) 92
(C) 94 (D) 99

11. What is the total number of teachers teaching Chemistry, English and Biology ?
(A) 1,172 (B) 872
(C) 972 (D) 990

12. An effective teaching means all of the following except
(A) a teacher teaches with enthusiasm
(B) a teacher aims at diagnosing the mistakes of his students
(C) a teacher puts emphasis more on teaching than on class control
(D) a teacher is interested in making the subject matter understand rather on completing the course

13. The most appropriate meaning of learning is
(A) Inculcation of knowledge
(B) Modification of behaviour
(C) Personal adjustment
(D) Acquisition of skills

14. Which of the following is false? Consider the following statements.
(A) Using of Information and Communication Technology (ICT) for learning promotes fast communication
(B) Information and Communication Technology (ICT) promotes cooperative learning for students
(C) Information and Communication Technology (ICT) promotes student privacy
(D) Plagiarism cannot be prevented

15. Value based education can be inculcated among the students through the following initiatives
i. Making pupil's behaviour conformist by imposing the strict rules, regulations and punishment
ii. By creating an external authority to monitor the behaviour of the students and teachers
iii. Providing freedom and autonomy to the students and effective socialization and discussion
iv. Encouraging the students to have proper role models for their personal and intellectual development
(A) i, ii, iii are correct (B) i, ii, iii and iv are correct
(C) iii and iv are correct (D) i and iii are correct

16. My reaction to the statement: "A good teacher is essentially a good researcher" Is that this is
(A) My firm belief
(B) Something I find difficult to agree
(C) Something which I accept only as an opinion
(D) Only a hypothesis

17. Sin Qua Non of good research is
(A) A set of well documented hypothesis
(B) A good research supervisor
(C) Adequate library facilities
(D) A good research problem

18. India launched National Green Tribunal to make polluters pay damages, in the year :
(A) 2008 (B) 2009
(C) 2010 (D) 2011

19. At what stage of an ecological succession, an ecosystem exhibits total photosynthesis equal to respiration ?
(A) Pioneer (B) Climax
(C) Virgin (D) Mid-Seral

20. What will be the number in place of the question mark (?) in the following number series?
5 9 ? 29 54 103
(A) 15 (B) 16
(C) 14 (D) 13

21. In this question, there are three statements followed by four conclusions. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the three statements disregarding commonly known facts.
Statements : All tables are chairs. No chair is book. Some books are flowers.
Which of the following conclusions is definitely true ?
(A) No flower is chair
(B) No flower is table
(C) Some chairs are not table
(D) No book is table

Read the following passage and answer the questions that follow **(Question No. 22 to 25)**.

Talent is a force not a tool. Talent is neither good nor ba(D) Being multi-talented is a very mixed blessing. For some people, it is a curse. Ability or performance is the result of complex interaction between various parts of the mind/ body system. Some parts of the ability are due to "nurture". The most important of these environmental factors is knowledge in one form or another. Nature is the basis of talent. We all know, understand and operate on more levels than just the conscious. Talents or Aptitudes are unlearned abilities-gut-level and non-conscious ways of operating. Some people call them knacks. Aptitudes have major impact not just on performance, but on our individual and unique states of being. They are a big part of the reason "One man's meat is another man's poison". Most people know for more than they realise about knacks and talents. People usually know if they are mechanical, have a sequence of direction, pickup language enjoy puzzles or are good with their hands. Anyone who has managed or trained people has seen the clear impact of learned abilities. In any area, some folks take to it like ducks to water. Once trained they stay ahead of the crowd. Others sweat to keep up or fail miserably. Strong talents do not equal high performance. Having the right knacks or talents provides a head start and on-going advantage. They are not useful without knowledge and motivation. Aptitudes have to be trained in order to be used well.

Peak performance occurs when one has the right combination of talents, knowledge, motivation, opportunity, courage, luck, tools and X factors.

22. A child always opening the "crossword puzzles page in a newspaper" is an analogy for
(A) Some folks take to it like ducks to water
(B) One man's meat is another man's poison
(C) Both A and B
(D) None of the above

23. "One man's meat is another man's poison". In this statement we are referring to
(A) The food habits of a person
(B) The likes and dislikes of a person
(C) The relative importance of people's talents
(D) None of the above

24. Aptitudes are 1. Talents 2. Knacks 3. Performance 4. Unlearned abilities
(A) 1 2 4 (B) 2 3 4
(C) 1 2 3 n (D) 1 3 4

25. Peak performance occurs when one has the right combination of
1. Talents 2. Knowledge
3. Opportunity 4. Motivation

Of the above the aspects that are nurtured are
(A) 1 and 2 (B) 2 and 3
(C) 2 and 4 (D) 1 and 3

26. Which of the following is the main objective of teaching ?
(A) To develop thinking power of students
(B) To give information related to the syllabus
(C) Prepare the students for examination
(D) Help the students for getting jobs

27. The National Policy on Education, 1986 has emphasized on
i. Decentralisation of Education
ii. Introduction of self-financing courses in Universities
iii. Vocational Education
iv. Increasing employability for University Graduates by providing knowledge and skills

(A) i, ii, iii and iv are correct
(B) i, ii, iii are correct
(C) ii and iii are correct
(D) iii and iv are correct

28. Central Educational Institutions (Reservation in Admissions) Act was passed in the year
(A) 2004 (B) 2005
(C) 2006 (D) 2007

29. Which of the following is also known as Top Slip ?
(A) Simlipal National Park
(B) Periyar Wildlife Sanctuary
(C) Manjira Wildlife Sanctuary
(D) Indira Gandhi Wildlife Sanctuary and National Park

30. The most essential step in the research process that determines every step that follows is to
(A) Decide whether qualitative or quantitative methods are to be used
(B) Review the literature in order to acquaint oneself with comprehensive knowledge
(C) Have a clear idea about the methods of analysing data and drafting a plan to achieve it
(D) Formulation of the problem with its objectives, hypotheses, variables and limitations

31. What is a statistical inference?
(A) Reaching conclusions from a sample
(B) Analysing statistical data
(C) Applying statistical method
(D) Developing statistical theories

32. Coal mine workers are prone to be victims of the following disease
(A) Pneumonoconisis (B) Byssinosis
(C) Asbestos (D) Silicosis

33. **Assertion (A)** : The challenge that the Indian state is facing today is how to achieve an equivalence between the state and the civil society within a democratic frame work.
Reason (R) : Criminalization of politics, political corruption and communal violence stand in the way of creating a value-based political culture.

(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

34. Match the List-I with List-II and select the correct answer from the code given below

	List – I		**List – II**
1.	World Environment Day	i.	September 8
2.	World Population Day	ii.	December 10
3.	International Literacy Day	iii.	July 11
4.	International Human Rights Day	iv.	June 5

(A) 1-iii, 2- i, 3- iv 4-ii (B) 1-ii, 2-iii, 3- iv 4-i
(C) 1-iii, 2-iv, 3- ii, 4-I (D) 1-iv, 2-iii, 3-i, 4-ii

35. **Direction to Q. No. 35 :** The following question is followed by two arguments I and II. You have to decide which argument is strong ? Should the opinion polls predicting outcome of elections before the elections be banned in India ?
Argument I : Yes, the outcome of opinion polls may influence the voting pattern.
Argument II : No, such polls are conducted all over the world.

(A) Argument I is strong
(B) Argument II is strong
(C) Both arguments are strong
(D) Neither I nor II is strong

36. Put in descending order as per content of Carbon.
1. Peat 2. Lignite
3. Bituminous Coal 4. Anthracite
(A) 4, 2, 3, 1 (B) 1, 2, 3, 4
(C) 3, 4, 2, 1 (D) 4, 3, 2, 1

37. Which one of the following is true about the Indian Polity ?
(A) It is a true Federation
(B) It is a Confederation
(C) It is Quasi – federal
(D) It is a Unitary State

38. In a certain code DREAMING is written as BFSEFMHL. How is SELECTED written in that code ?
(A) FMFTCDSB (B) FMFTEFUD
(C) EKDRCDSB (D) EKDREFUD

39. In a certain code BRING is written as '53@©2' and GUIDE is written as '2$@76'. How is GINGER written in that code ?
(A) 2 © @253 (B) 2@ © 263
(C) 2@ © 753 (D) 2@ © $53

40. A solar cell is basically a
(A) p-type semiconductor
(B) n-type semiconductor
(C) p-n-diode
(D) p.n.p transistor

41. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
(A) Tabala (B) Flute
(C) Music (D) Piano

42. Which of the following will come in the place of question mark ? HIZ JYK XLM NOW ?
(A) PQV (B) QRV
(C) QWR (D) PVQ

43. **Assertion (A)** : CFCs destroy ozone molecules in stratosphere
Reason (R) : CFCs have very high global warming potential

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

44. The main purpose of the first degree in our Universities should be to
(A) Bring students to frontiers of knowledge and from there should be research
(B) Equip students with necessary competencies for different work experiences
(C) Prepare students for social service and bring them to the threshold of knowledge
(D) Bring to the frontiers of research from there necessary equipment of knowledge

45. Which of the following is not a characteristic of Scientific method ?
(A) Objectivity (B) Verification
(C) Speculation (D) Predictability

46. The minimum thickness to be used in biodegradable carry bags should be
(A) 5 microns (B) 10 microns
(C) 15 microns (D) 20 microns

47. Which of the following is not an ethical guideline for conducting research with humans ?
(A) Getting informed consent of the participant
(B) Telling participants that they must continue until study has been completed
(C) Keeping participant's identity anonymous
(D) Telling participants that they are free to withdraw at any time

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48. In a row of forty-five girls facing South, D is sixteenth from the right end. There are 8 girls between D and (B) What is B's position from the left end of the row ?
(A) Twenty-first (B) Ninth
(C) Twentieth (D) Data Inadequate

49. Internet and World Wide Web are
(A) One and the same
(B) Internet is part of World Wide Web
(C) World Wide Web is part of the Internet
(D) None of these

50. The professionalism of a teacher can be tested in terms
(A) Love towards the profession
(B) Competency to teach
(C) Observance of professional ethics
(D) In-depth knowledge of subject

51. **ENIAC** is acronym for
(A) Electronic Numeric Integrator and Calculator
(B) Electronic Number Interchange Address Code
(C) Electronic Numeric Intercom and Calculator
(D) Electrical Numerical Integrator and Calculator

52. M is brother of K. T is sister of M. J is brother of T. H is father of J . Then how is K related to H?
(A) Niece (B) Son or Daughter
(C) Brother (D) Sister

53. Study the following information to answer the given question: P, Q, R, S, T, V and W are sitting in a straight line facing north but not necessarily in the same order. R sits third to the left of W. Neither R nor W sits at extreme ends of the line. Only one person sits between R and T. S is not an immediate neighbour of either R or W. Two people sit between T and P. Q is an immediate neighbour of S. Who amongst the following sits exactly between R and T ?
(A) P (B) Q
(C) V (D) S

54. The major part of air pollution load lies in
(A) Troposphere (B) Stratosphere
(C) Thermosphere (D) Ionosphere

55. A good piece of research is the outcome of
(A) Collective effort
(B) A touch of genius
(C) A reputed research institute
(D) A penetrating and analytical mind

56. Broad Band has a speed more than
(A) 256 KB/sec (B) 512 KB/sec
(C) 1024 KB/sec (D) None of these

57. You got a mail telling you that you won one million dollars in a lottery.
(A) It is time to celebrate and respond to the mail.
(B) Forward the mail to your friend
(C) Suspect it could be tricking you and report it as Spam
(D) No action

58. What is the relative position of moon, earth, and the sun during a lunar-eclipse ?
(A) The sun and moon are in conjunction
(B) The sun and moon are opposite
(C) The three make an equilateral triangle
(D) The line joining the earth and sun, and earth and moon make right angle

59. Which one of the following is the usual sequence of scientific enquiry?
(A) Observation – Verification – Hypothesizing – Theorizing
(B) Experimentation – Observation – Verification – Hypothesizing
(C) Observation – Hypothesizing – Experimentation – Theorizing
(D) Theorizing – Observation – Experimentation – Hypothesizing

60. The Education Department invites projects or action research on instructional problems related to your subject of specialisation. How will you react to this ?
(A) Prepare a project in case I have experienced a genuine complex problem
(B) Prepare a project on any problem that might be faced by a large number of teachers
(C) Prepare a project with the intention of getting recognition
(D) Prepare a project in case an award is declared

ANSWER KEY - 2013

Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	B,D	16	C	31	A	46	C, D
2	C	17	D	32	A, D	47	B
3	D	18	C	33	A	48	D
4	C	19	B	34	D	49	C
5	D	20	B	35	A	50	C
6	A	21	D	36	D	51	A
7	D	22	A	37	C	52	B
8	D	23	C	38	A	53	C
9	D	24	A	39	B	54	A
10	B	25	C	40	C	55	D
11	C	26	A	41	C	56	A
12	B	27	D	42	D	57	C
13	B	28	D	43	A	58	B
14	D	29	D	44	A	59	C
15	B	30	B	45	C	60	B