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20th December 2018 (Afternoon shift)

1. Which of the following indicates the concept of Zone of Proximal Development (ZPD) as suggested by psychologist Lev Vygotsky?

1) A learner's brain develops faster in childhood
2) A learner learns effectively when it is supported with real life examples.
3) What a learner can do with help and without help
4) Friends' interaction is very important for proper development of child.

2. Which among the following is the correct set of four fundamental principles of Rabindranath Tagore's educational philosophy?

1) Humanism, Commercialisation, Urbanisation, Hinduism
2) Naturalism, Humanism, Internationalism, Idealism
3) Globalisation, Localisation, Transformation, Capitalism
4) Socialism, Spiritualism, Tourism, Commercialism

3. The field of study of the theory and practice of self-determined learning that focuses on the importance of knowing how to learn is known as:

1) Epistemology
2) Andragogy
3) Pedagogy
4) Heutagogy

4. The construction of thought process, which includes remembering, problem solving and decision making, is called as:
1) Andragogy
2) Psychology
3) Pedagogy
4) Cognitive development

5. The field of study dealing with methods and principles used in adult education is known as:

1) Pedagogy
2) Andragogy
3) Anthropology
4) Gerontology

6. The four approaches to knowing answers to research questions, according to Kelinger, are:

a) Method of tenacity
b) Method of intuition
c) Method of authority
d) Method of science
e) Method of creativity
f) Method of non-functionality
Code:
1) (a), (b), (c) and (d)
2) (b), (c), (d) and (e)
3) (b), (d), (e) and (f)
4) (c), (d), (e) and (f)

7. One way to measure the extent to which a measure is free of random error is to compute its:

1) Content validity
2) Experimenter's bias
3) Test – retest reliability
4) Demand characteristics

8. Qualitative researchers criticise quantitative research for its tendency towards:

1) Emphasis on evidence
2) Focus on empiricism
3) Reductionism
4) Obsession with creativity

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9. Which method is appropriate to reduce random error?

1) Select large sample size
2) Administer the test after a gap of one week
3) Administer the treatment in the same way every time
4) Administer manipulation checks

10 In relation to the code of conduct of research, what does APA stand for?

1) Advanced Psychological Authority
2) American Psychological Association
3) Australian Psychological Association
4) Association of Psychology Assessments

Read the following passage and answer the questions that follow:
For all the disagreement in the industry about the future aviation, there is perfect accord on one point: There is going to be a lot more of it. The world's air passenger's flew a combined 7.64 trillion kilometers in 2017. By 2037, that will rise to 18.97 trillion kilometers, with about 40% of the increase happening within five intra-regional markets: China, India, North-America, Europe and South-East Asia. This is sparking a battle over the biggest bottleneck holding back its growth: airports. The governments that still own many of them should be more open to privatization to cover a $78 billion funding gap in needed capital investments. Airlines, airports' biggest customers, see things differently. Costs at privatized terminals are higher and governments should be cautious about such actions in the interest of expanding the aviation sector as a whole. Privatizing an airport does not necessarily make it more efficient. A study has found there was little difference between the performance of airports 100% owned by commercially-oriented government corporations and those majority controlled by private businesses. The key is instead to avoid structures where the incentives for managers are confused or misaligned, such as where private companies are brought in as minority investors or where managers are essentially bureaucrats swayed by political imperatives. There is a better solution out there, but it is not likely to be very attractive to incumbent airlines, airports, or passengers enamored of the current generation of gleaming terminals: build more, cheaper airports.

11. What is growth rate in aviation apart from five intra-regional markets?

1) 10 percent
2) 20 percent
3) 30 percent
4) 40 percent

12. Why should governments be open to privatisation?

1) Because they own many airports
2) Because there is a battle for growth
3) For necessary growth
4) To limit the government control of aviation industry

13. How do airlines see the move for privatization of airports?

a) Feel that costs are high
b) Governments should be cautious
c) Interest of the aviation sector is important
d) It decentralizes the authority to control

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

14. What is the key for making airports function efficiently?

1) Make private companies as minority shareholders
2) Provide misaligned incentives to managers
3) Recognise political imperatives of bureaucrats appointed as managers
4) Avoid structures of confused incentives to managers.

15. Which of the following is the focal inference of the author in the passage?

1) Private ownership of airports does not mean efficient management
2) Growth of the aviation industry is distorted
3) Airports are not an obstacle to the growth of aviation industry
4) Government-owned airports are known for high performance

16. Signs are considered as secondary products of:

1) Message
2) Channelization
3) Semantic accuracy
4) Infotainment

17. The relational approach in classroom communication comes from:

1) Intra-personal communication
2) Inter-personal communication
3) Organisational communication
4) Mass communication

18. Classroom speech is considered as a:

1) Technical medium
2) Non-technical medium
3) Mass medium
4) Unorganised medium

19. In a classroom, communication becomes effective when participants are:

a) Active
b) Empathetic
c) Heterophilous
d) Homophilous
e) Silent
f) Uncritical
(1) (a), (b), (c) and (d)
(2) (b), (c), (d) and (e)
(3) (a), (b) and (d)

(4) (c), (e) and (f)

20. The information seeking strategies of students are

a) Entropy-oriented
b) Overt
c) Non-functional
d) Indirect
e) Third party
f) Testing
(1) (a), (b), (d) and (e)
(2) (b), (c), (e) and (f)
(3) (b), (d), (e) and (f)
(4) (a), (b), (c) and (f)

21. If DIVE is coded as IMYG, then the code for TAKE will be:

1) XFMG
2) YENG
3) TFMG
4) XENG

22. The next term in the series is: 56, 40, 27, 17, 10,

1) 6
2) 7
3) 8
4) 5

23. The next term in the letter series is: ME, KH, IK, GN,   is:
1) EQ
2) CK
3) BD
4) DF

24. Choose the word which is different from the rest.

1) Eyes
2) Nose
3) Legs
4) Hands

25. Ram said, "I am the only child of my mother". Next he pointed to a boy and continued, "this boy is the husband of the grandchild of my mother". How is Ram related to the boy?

1) Father
2) Grandfather
3) Brother-in-law
4) Father-in-law

26. Given below are two premises (a) and (b).Four conclusions are drawn from them. Select the code that states validly drawn conclusion(s) [taking premises individually or jointly]

Premises:
a) Some women are teachers
b) All teachers are hard-working
Conclusions:
a) All hard-working people are teachers
b) All teachers are not women
c) Some hard-working teachers are women
d) Some women are hard-working
1) (i) and (ii)
2) (ii) and (iii)
3) (i) and (iv)
4) (iii) and (iv)

27. In which of the following arguments the conclusion can be no more than probable?
1) Implicative
2) Analogical
3) Deductive

4) Demonstrative

28. "To slow a beast, you break its limbs. To slow a nation, you break its people." Identify the argument involved in the above:

1) Inductive
2) Deductive
3) Analogical
4) Demonstrative

29. "The relation that exists between Premises and Conclusion is that of logical necessity" – is the case with which of the following arguments?
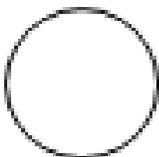1) Inductive
2) Deductive
3) Demonstrative
4) Analogical

30. Among the following statements, two are contradictory to each other. Select the code that represents them. Statements:
a) All surgeons are doctors.
b) Some surgeons are doctors
c) Some surgeons are not doctors
d) No surgeons are doctors.
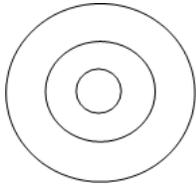1) (a) and (b)
2) (a) and (d)
3) (b) and (d)
4) (b) and (c)

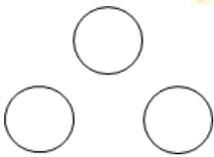31. Which of the following diagrams indicates the best relation between India, World and New Delhi?
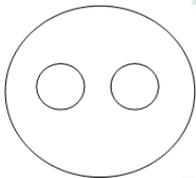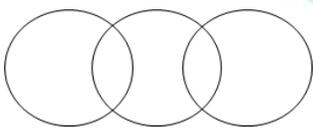
1

2

3

4

32. Which of the following diagrams best represents the relationship between family, family member and domestic help?
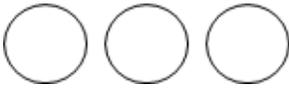

1

2

3

◯ ◯ ◯

4

Cab	Monday		Tuesday		Wednesday	
	Time (hours)	Distance (kms)	Time (hours)	Distance (kms)	Time (hours)	Distance (kms)
A	16	656	12	480	10	410
B	10	700	14	490	18	720
C	11	770	13	650	16	640
D	12	744	15	825	14	840
E	14	826	14	728	12	840

33. The table above gives the number of kilometres travelled and the number of hours taken by five cabs A, B, A, D, and E. Data on three days is given- Monday, Tuesday and Wednesday. Use the above data to answer the questions given below.

The average speed of cab A for the three days taken together is approximately:

1) 10km/hr
2) 20km/hr
3) 30km/hr
4) 40km/hr

34. The difference between the average speed of cab C and cab E on Monday is:

1) 11km/hr
2) 21km/hr
3) 31km/hr
4) 41km/hr

35. Which cab travelled the most in the three days taken together?

1) B
2) C
3) D

4) E

36. Which one of the following is not a Network Topology?

1) Ring
2) Chain
3) Bus
4) Star

37. Match the following

List I	List II	
(a) Browser	(i)	Outlook
(b) Programming language	(ii)	DOS
(c) Operating system	(iii)	Internet explorer
(d) E-mail	(iv)	Fortran

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

38. Which of the following denotes the internet hardware requirements?

a) Hub
b) Bridge
c) Router
d) Gateway
e) Modem

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

39. A set of rules used in communications in a network is called:

1) Interface
2) Protocol
3) Address
4) Reference

40. Which of the following are pointing devices?

a) Trackball
b) Touchscreen
c) Graphic tablet
d) Joystick
(1) (a) only
(2) (a) and (d)
(3) (a), (b) and (d)
(4) (a), (b), (c) and (d)

41. A study was carried out on the drought resilience in India. Which of the following states show highest level of handling drought?

1) Telengana, Andhra Pradesh, Tamil Nadu
2) Odisha, Karnataka, Kerala
3) Sikkim, Punjab, Arunachal Pradesh
4) Jharkhand, Chattisgarh, Jammu and Kashmir

42. Most harmful types of environment pollutants are

1) Human organic wastes
2) Wastes from fecal matter
3) Non-biodegradable chemicals
4) Natural nutrients present in excess

43. Assertion (A) : natural gas is very attractive eco-friendly fuel
Reason (R) : It produces few pollutants and less carbon dioxide per unit energy than any other fossil fuel on combustion.

1) Both A and R are true R is the correct explanation of A
2) Both A and R are true, R is not the correct explanation of A.
3) A is true, but R is false
4) A is false, but R is true

44. What percentage of energy coming from the Sun is re-radiated towards the space?

1) 15%
2) 25%
3) 30%
4) 50%

45. As per Central Forestry Commission (CFC), how many forest types are found in our country?

1) 15
2) 20
3) 28
4) 16

46. The number of open universities and directorates of distance education whose courses are recognised by UGC as on August 9, 2018, is:

1) 49
2) 53
3) 58
4) 62

47. Match the following:

List I		
(a) Open university	i.	Odisha State Open University, Odisha
(b) Dual mode university	ii.	Amity university
(c) Mixed mode university	iii.	Indian Institute of Science, Bengaluru
(d) Deemed university	iv.	University of Mumbai, Mumbai
(e) Specialised university	v.	School of Planning & Architecture, New Delhi

    (a) (b) (c) (d) (e)

1) (iii) (ii) (v) (i) (iv)

2) (i) (iv) (ii) (iii) (v)

3) (v) (i) (iv) (ii) (iii)

4) (ii) (iii) (i) (iv) (v)

48. Which private institutions in the following list have been granted the status of 'Institutes of Eminence' by the MHRD?
a) BITS, Pilani
b) MAHE, Manipal
c) Symbiosis, Pune
d) Amity University, Noida
Choose the correct answer from the code given below:
1) (i) and (ii)
2) (i) and (iii)
3) (ii) and (iii)
4) (ii) and (iv)

49. One of the first states to establish a higher education council was:
1) Sikkim
2) Goa
3) Andhra Pradesh
4) Jammu and Kashmir

50. State higher education councils are established under the instruction of:
1) NITI Aayog
2) RUSA
3) CABE

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4) PUSA

Answer Key (1-50)

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