	<b>B.Ed(Technical) MATHEMATICS</b>							
<ol> <li>Major contribution of Psychology in Education lies in :</li> <li>(a) Defining the goals for which teacher should strive.</li> <li>(b) Identifying potentially successful methods and procedures for teaching.</li> </ol>								
	(c) Providing scientific foundations for the art of teaching. (d) Comparing the relative effectiveness of various teaching procedures.							
2.	Longitudinal studies are more associated with  (a) Correlational studies (b) Philosophical studies (c) Developmental studies (d) Historical studies							
3.	One of the following is not a field of Educational Psychology:  (a) Individual similarities (b) Evaluation (c) Learning (d) Personality							
4.	The basic function of Educational Psychology for trainees is:  (a) Teaching strategies formulation in the class-room.  (b) Developing insight towards various aspects of teaching.  (c) Developing insight towards students problems, behaviour and need.  (d) Preparing model of evaluation for teaching process.							
5.	<ul> <li>A teacher gets by the knowledge of Educational Technology:</li> <li>(a) Knowledge about individual differences of students.</li> <li>(b) Knowledge about selection appropriate teaching methods.</li> <li>(c) Knowledge regarding discipline in the class-room.</li> <li>(d) All of the above</li> </ul>							
6.	Introspection method was developed by : (a) Watson (b) James (c) Woodworth (d) Titchner							
7.	According to Jean Piaget the first to appear in cognitive development is:  (a) Image  (b) Language  (c) Schema  (d) Concept							
8.	One of the following is not teaching principle according to Bruner:  (a) Formal teaching principle (b) Informal teaching principle (c) Descriptive teaching principle (d) Standard principle							
9.	Theory of cognitive development was propounded by :  (a) Lazarus (b) Piaget (c) Tolman (d) Skinner							
10.	Mental images are described as  (a) represent abstract ideas  (b) are always prototypes  (c) consist entirely of unconscious information  (d) have a picture like quality							
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11.	The	concept of "g'	' facto	r in intelligence	was pro	posed by		
	(a)	Thorndike	(b)	Spearman	(c)	Thurston	(d)	Gardner
12.	In th	neory of intelli	gence,	by whom prima	ry facto	rs were associate	ed with	common factor ?
	(a)	Spearman	(b)	Thorndike	(c)	Binet	(d)	Guilford
13.	In th	ne following or	ne fact	or is not given b	y the Th	nurston:		
	(a)	Verbal factor	ſ		(b)	Memory factor		
	(c)	Reasoning fa	ctor		(d)	Behavioural fac	ctor	
14.	"Int	elligence is the	powe	r of discriminati	on and	selection" by who	om thi	s thought comes?
	(a)	Galton	(b)	Thompson	(c)	Thorndike	(d)	Termon
15.	The	Rorschach Ink	Blot	test is related to				
	(a)	Creativity tes	st		(b)	Intelligence test		
	(c)	Personality to	est		(d)	Learning test		
16.	Whi	ch age group o	of child	dren is covered i	n Child	ren Apperception	Test (	(CAT) ?
	(a)	3 to 5 years	(b)	3 to 10 years	(c)	5 – 13 years	(d)	None of these
17.	Вуу	whom was the	conce	pt of projection	first of a	ll introduced?		
	(a)	Thorndike	(b)	Freud	(c)	Allport	(d)	Freeman
18.	Fun	damental Natio	onal va	alues	(c)		ha	ave been inspired
	(a)	Preamble of	our co	nstitution	(b)	Articles of our	constit	ution
	(c)	Entries of the			(d)	All of the above		
19.	Equ	ality of opport	unities	in Education in	nplies th	at, student :		
	(a)	passes exami	ination	with first divisi	ion.			
	(b)	gets facilities	s accor	ding to his abili	ties and	interests.		
	(c) gets equal number of books and stationary.							
	(d)	gets facilities	s accor	ding to his poter	ntial lev	el in the society.		
20.	Arti	cle 45 of India	n Con	stitution does no	ot use the	e term :		
	(a)	Primary Edu	cation		(b)	Higher Education	n	
	(c)	Vocational E	ducati	on	(d)	None of the abo	ve	
21.		ndment.		included in the	Indian C	Constitution prear	mble b	y the constitutional
	(a)	11 <sup>th</sup> Amendr	nent		(b)	42 <sup>nd</sup> Amendmen	nt	
	(c)	12 <sup>th</sup> Amendr	nent		(d)	40 <sup>th</sup> Amendmer		

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(a)	Article 15	(b)	Article 17	(c)	Article 14	(d)	Article 18
Adn (a)	ninistration of 51	tribal a	areas is mentione 222 (a)	ed in wh	nich Article of Inc	lian Co	onstitution ? 244 (2)
priva	ate universities	s of	state.				
(a)	Chhattisgarh	(b)	Jharkhand	(c)	Uttarakhand	(d)	Delhi
Gok (a) (c)	Teacher Edu	cation	focused on:	(b) (d)			
Educ (a)	cation as a sub Union list	ject of (b)	legislation figur State list	res in : (c)	Concurrent list	(d)	Residuary Power
(a)	chapters ha Ten	ve bee	n kept in Right to Five	Educa (c)	ation Act 2009 : Six	(d)	Seven
to:							
(a)	Section 31	(b)	Section 34	(c)	Section 33	(d)	Section 32
Und (a)	er which Secti Section 22	on of l (b)	RTE Act 2009, se Section 21	chool d (c)	evelopment plan Section 20	is desc (d)	eribed ? Section 19
From (a) (b) (c) (d)	Tuition fee of Free text boo No library fe	concess oks, co	sion			TE A	et ?
RMS (a)	SA was started 2006	l in the	year 2012	(c)	2009	(d)	2007
Chai (a) (b) (c) (d)	Prime Minis Human Reso Chairman of	ter ource D UGC	Development (HF		•		
The (a)	concept of Mo UGC	odel Do (b)	egree College is NUEPA	given b (c)	y : NPE 1986	(d)	RUSA
The (a) (c)	86 <sup>th</sup> amendme RMSA RUSA	ent of l	Indian Constituti	on is re (b) (d)	DIET	Abhiya	n
	(a) Nijii privi (a) Gok (a) (c) Educ (a) Und (a) Fror (a) (b) (c) (d) RMi (a) Cha (a) (b) (c) (d) The (a) The (a)	Administration of  (a) 51  Niji Kshetra Vishy private universities  (a) Chhattisgarh  Gokhale"s Bill 19  (a) Teacher Edu  (c) Higher Educ  Education as a sub  (a) Union list  chapters ha  (a) Ten  Under Section of Ito:  (a) Section 31  Under which Section  (a) Ten  Under which Section  (a) Tuition fee of  (b) Free text bood  (c) No library fee  (d) All of the ab  RMSA was started  (a) 2006  Chairperson of Na  (a) Prime Minis  (b) Human Reso  (c) Chairman of  (d) Vice chairpe  The concept of Mo  (a) UGC  The 86 amendme  (a) RMSA	Administration of tribal a  (a) 51 (b)  Niji Kshetra Vishwavidy private universities of	Administration of tribal areas is mentione (a) 51 (b) 222 (a)  Niji Kshetra Vishwavidyalaya Adhiniyan private universities of state. (a) Chhattisgarh (b) Jharkhand  Gokhale"s Bill 1911 was focused on: (a) Teacher Education (c) Higher Education  Education as a subject of legislation figur (a) Union list (b) State list  chapters have been kept in Right to (a) Ten (b) Five  Under Section of RTE Act 2009, provision to: (a) Section 31 (b) Section 34  Under which Section of RTE Act 2009, s (a) Section 22 (b) Section 21  From the following, what comes under from the following, what comes under from (a) Tuition fee concession (b) Free text books, copies and writing (c) No library fee (d) All of the above  RMSA was started in the year (a) 2006 (b) 2012  Chairperson of National Higher Education (a) Prime Minister (b) Human Resource Development (HF) (c) Chairman of UGC (d) Vice chairperson of Neeti Aayog  The concept of Model Degree College is (a) UGC (b) NUEPA  The 86 amendment of Indian Constitution (a) RMSA	Administration of tribal areas is mentioned in what (a) 51 (b) 222 (a) (c)  Niji Kshetra Vishwavidyalaya Adhiniyam 2002 private universities of state.  (a) Chhattisgarh (b) Jharkhand (c)  Gokhale"s Bill 1911 was focused on:  (a) Teacher Education (b)  (c) Higher Education (d)  Education as a subject of legislation figures in:  (a) Union list (b) State list (c)  chapters have been kept in Right to Education  (a) Ten (b) Five (c)  Under Section of RTE Act 2009, provision for set to:  (a) Section 31 (b) Section 34 (c)  Under which Section of RTE Act 2009, school of (a) Section 22 (b) Section 21 (c)  From the following, what comes under free education for the education for set to:  (a) Tuition fee concession  (b) Free text books, copies and writing materiate (c) No library fee  (d) All of the above  RMSA was started in the year  (a) 2006 (b) 2012 (c)  Chairperson of National Higher Education Missing (a) Prime Minister  (b) Human Resource Development (HRD) Minister  (c) Chairman of UGC  (d) Vice chairperson of Neeti Aayog  The concept of Model Degree College is given be (a) UGC (b) NUEPA (c)  The 86 <sup>th</sup> amendment of Indian Constitution is refairly and the second of	Administration of tribal areas is mentioned in which Article of Inc.  (a) 51	Administration of tribal areas is mentioned in which Article of Indian Co (a) 51 (b) 222 (a) (c) 251 (d)  Niji Kshetra Vishwavidyalaya Adhiniyam 2002 was constituted for the optivate universities of

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<i>3</i> 5.	(a) (c)	Scrambled book  Traditional book	(b) (d)	Normal book None of the above
36.	The 1 (a) (b) (c) (d)	most popular evaluative instrument for a Stanford teacher competence appraisa Individual language test Group language test Chicago Non-verbal test		ng the effectiveness of Micro-Teaching is de
37.	Micr (a) (c)	o teaching device is designed by Cruck shank Flander	(b) (d)	Allen Skinner
38.	One (a) (c)	of the following is the principle of Ma Principle of generalization Principle of chaining	thetics (b) (d)	s Programming Instruction : Principle of discrimination Principal of utility
39.	Esse (a) (c)	ntial components of a linear programe Terminal behaviour Criterian test	is: (b) (d)	Programme module All of the above
40.	Basic (a) (c)	c steps of retrogressive chaining is : Demonstration → Prompt → Release Release → Demonstration → Prompt		Prompt → Demonstration → Release Demonstration → Release → Prompt
41.	Whice (a) (c)	ch of the following concepts is related Stimulation Interaction analysis	to sca (b) (d)	led down teaching encounter? Micro-teaching T. Group
42.	Who (a) (c)	o said "No two children have the same Crow & Crow Hurlock	intelle (b) (d)	ectual abilities ?" Freud Suresh Bhatnagar
43.	Whice (a) (b) (c) (d)	ch curriculum is supposed to be wrong Emphasizing only on subject knowled Prevents to have experience outside t Structural to discourage participation A plan including all above	dge he cla	
44.	One (a) (b) (c) (d)	of the following is a component of stir Silence Increase participation of students Question related to previous knowled All of the above		variation skill :
45.	One (a) (c)	of the following is a technique for dev Simulated teaching Action research	(b)	nent of teaching skill : Interaction analysis Micro-teaching

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46.	Hard	dware technology is also known as		
	(a)	Relative technology	(b)	Constructive educational technology
	(c)	Software technology	(d)	None of the above
47.	Whi	ich of the following is example of softw	vare a	pproach?
	(a)	Programmed Instruction	(b)	Branching programming
	(c)	Micro-teaching	(d)	All of the above
48.	Cog	nitive Domain was developed by B.S.	Bloon	n and others in the year:
	(a)	1946 (b) 1956	(c)	1966 (d) 1976
49.	Whi	ich of the following is not a part of Blo	om"s	cognitive domain?
	(a)	Comprehension	(b)	Evaluation
	(c)	Conceptualization Application	(d)	(d)
50.	In c		er cog	nitive domain, Bloom follows principle of
	(a)	Complex to simple	01 005	and to domain, Broom rone we principle of
	(b)	Abstract to concrete		
	(c)	Towards complexity		
	(d)	From simple to complex as well as co	oncret	e to abstract
51.	"Ac	tion Research in Mathematics" is not h	elpful	in:
	(a)	Establishing the theory of teaching	(b)	Improvement of teaching
	(c)	Transformation of teaching	(d)	Reflection of teaching
52.	Whi	ich of the following structures are studi	ed in	Mathematics ?
	(a)	Abstract only	(b)	Consistent only
	(c)	Neither (a) nor (b)	(d)	Both (a) & (b)
53.	_			provement of mathematics are linked to
	-	sperity of the state" belongs to which of		
	(a)	Aesthetic value	(b)	Social value
	(c)	Intellectual value	(d)	Scientific value
54.	"Alg			programs for computers has its roots in
	(a)	Arabic Mathematics	(b)	Indian Mathematics
	(c)	Greek Mathematics	(d)	Chinese Mathematics
55.				train a child to think, reason, analyse and
		rticulate logically," has been highlighte	ed in:	
	(a)	National Policy on Education, 1986	o =	
	(b)	National Curriculum Framework, 200		
	(c)	National Council for Teaching Mathe		
	(4)	Learning without Rurden" the repor	t of D	rot Vachnal 1993

56.	Which of the following may not be the characteristics of an objective of Teaching Mathematics?									
	(a)	Attainability	(b)	Concrete utility	(c)	Specificity	(d)	Observability		
57.				ematics is to deve ts, decimals, perce				numeracy, numbered as a		
	(a)	higher aim	(b)	rationale aim	(c)	narrow aim	(d)	ultimate aim		
58.	Whi	ch of the follow	wing o	option is related to	cogn	itive domain?				
	(a)	Receiving	(b)	Valuing	(c)	Interest	(d)	Analysis		
<b>59.</b>	All 1	All round development of a child may be referred to as								
	(a)	Balanced dev	elopn	nent of cognitive,	moral	and intellectual	capabil	ities.		
	(b)									
	(c)									
	(d)	Balanced dev	elopn	nent of cognitive,	affect	ive and intellect	ual capa	abilities.		
60.	"Par	ticular to Gene	ral" i	s the prime charac	teristi	c of which teach	ing met	thod?		
	(a)	Analytic meth	nod		(b)	Synthetic meth	od			
	(c)	Deductive me	ethod		(d)	Inductive meth	od			
61.	"To Discover" is the major focus of which teaching method?									
	(a)	Deductive me	ethod		(b)	Synthetic meth	od			
	(c)	Heuristic met	hod		(d)	Scientific meth	od			
62.	Which of the following is not a step of "Problem Solving" method?									
	(a)	Identification	of a p	problem	(b)	Developing pro	oblem s	olving skills		
	(c)	Data collection	on		(d)	Data analysis				
63.	Which of the following is the best among the following, so far as feasibility and									
	effectiveness of method of teaching is concerned?									
	(a)	Induction me								
	(b)									
		(c) Induction followed by deduction method								
	(d)	Deduction for	llowe	d by induction me	thod					
64.				_	love f	or mathematics,	which	of the following is		
		an appropriate		-		0.100/ 1	(1)			
	(a)	Drill	(b)	Assignment	(c)	Self-Study	(d)	Question-Answer		
<b>65.</b>	Whe	-		an "Assignment"	, he sł	<u>-</u>	-	g assignment of		
	(a)	Reflective lev			(b)	Understanding				
	(c)	Memory leve	1		(d)	Application lev	el			

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66.	"Drill" may be a useful technique in mathematics for learning at								
	(a)	Application level		(b)	Memory level				
	(c)	Reflective level		(d)	Understanding le	evel			
67.	Whi	ch type of the question	ns should be avoi	ded b	y a teacher in the	class?			
	(a)	<b>Probing-Questions</b>		(b)	<b>Echo-Questions</b>				
	(c)	Higher Order Question	ons	(d)	Reflective Quest	ions			
68.	"Coı	ne of Experience" for	selecting the app	ropria	te teaching aids v	vas give	n by		
	(a)	B.S. Bloom (b)	B.K. Passi	(c)	E. Dale	(d) ]	R.H. Dave		
69.	Arra	nge the following in d	lecreasing order	of effe	ectiveness:				
	(i)	Working Model		(ii)	Activity				
	(iii)	Static Model		(iv)	Chart				
	(a)	(ii), (iii), (i), (iv)		(b)	(iv), (iii), (i), (ii)				
	(c)	(i), (iii), (iv), (ii)		(d)	(ii), (i), (iii), (iv)				
70.	Arra	nge the following in i	ncreasing order o	of effe	ctiveness:				
	(i)	Audio-Visual Aid		(ii)	Projected Aid				
	(iii)	Direct Experience		(iv)	Non-projected A	id			
	(a)	(iv), (ii), (i), (iii)		(b)	(iv), (ii), (iii), (i	)			
	(c)	(ii), (iv), (i), (iii)		(d)	(iii), (i), (ii), (iv)	)			
<b>71.</b>	(A)	Chart	(i) Direct Ex	perier	nce				
	(B)	You tube Video	(ii) Projected						
	(C)	OHP presentation	(iii) Non-proje	ected A	Aid				
	(D)	School Visit	(iv) Audio Ai	d					
			(v) Audio-Vi	sual A	Aid				
	The	correct matching is:							
	(a)	(A) - (iii), (B) - (v),	(C) - (i), (D) - (i)	ii)					
	(b)	(A) - (iii), (B) - (v),	(C)-(ii),(D)-	(i)					
	(c)	(A) - (iii), (B) - (v),	(C) - (iv), (D) -	(ii)					
	(d)	(A) - (ii), (B) - (v),	(C) - (i), (D) - (i)	ii)					
72.	The	laboratory approach to	o learning embod	lies th	e concept of				
	(a)	Practical Learning		(b)	Theory Learning				
	(c)	Useful Learning		(d)	Active Learning				
73.	Labo	oratory method in teac	hing geometry is	least	useful in				
	(a)	proving a theorem	,	(b)	introducing state	ment a tl	neorem		
	(c)	relating a theorem w	ith daily life	(d)	_				

/4.	(a) (b) (c) (d)	to make the child learn mathematics. to help in solving problem. to help in understanding the problem to make learning joyful.		
75.		at may be the appropriate role of teache A problem poser A patient friend	er in m (b) (d)	nathematics laboratory ?  A helping hand in recording observation A learning facilitator
76.	White (a) (b) (c) (d)	ch of the following is not a part of Cur Formulation of objectives Selection & organisation of learning Construction of evaluation tools Organisation of curriculum		
77.	White (a) (b) (c) (d)	ch does not constitute a vision for scho Children are able to solve problems. Children are able to enjoy mathemati Children are able to follow procedure Children are able to use abstractions.	cs.	thematics curriculum ?
78.		ch of the following was not recommen rding curriculum?  Periodic revision of the curriculum Freedom to school for curriculum con Orientation programme for curriculum Separate curriculum for rural and urb	nstruc m con	tion struction
<b>79.</b>	Whi	ch of the following is not a principle of	f curri	culum construction ?
	(a)	Principle of correlation		
	(c)	Principle of unity	(d)	Principle of Attitude
80.	One (a) (c)	of the major defects of textbooks is Insufficiency of contents Lack of exercises	(b) (d)	Lack of proper illustrations Mediocre content presentation
81.	Wha (a)	at should be the minimum score of a go 75 (b) 60	od tex (c)	atbook under Vogel"s criteria? 65 (d) 70
82.	A sta (a) (c)	andardised text does not possess:  Reliability  Subjectivity	(b) (d)	Discrimination power Validity

83.	The highest rating criterion of "Hunter"s score card" for textbook evaluation is:									
	(a)	Qualification	n and F	Rank of Author	(b)	Content				
	(c)	Psychologic	al soun	dness	(d)	Learning exerc	eises			
84.	Whi	ich of the follo	owing 1	nay be consider	red as "T	ext Books"?				
	(a)	Britanica En	cyclop	aedia	(b)	Supplementar	y books	used by teachers		
	(c)	Books on pr	escribe	d syllabus	(d)	Intensive book	s on sele	ected topics		
85.	"Dr	ill & practice"	in Ma	thematics is rela	ated to					
	(a)	Fluency	(b)	Elaboration	(c)	Originality	(d)	Flexibility		
86.		ich of the follonathematics?	owing s	should not be av	voided by	students for in	creasing	speed & accuracy		
	(a)	Oral Work			(b)	Readiness				
	(c)	Habit of qui	ck deci	sion making	(d)	Ignoring the er	rors			
87.		rough a print o	outside	a line one and	only one	line parallel to	the give	n line can be		
	(a)	Theorem	(b)	Postulate	(c)	Axiom	(d)	Hypothesis		
88.	Whi	ich of the follo	owing s	statement is not	false ?					
	(a)	Speed is mo	re imp	ortant than und	erstandin	g.				
	(b)	_	_	mportant than u		_				
	(c)	=		important than		_				
	(d)	Learning to	initiate	e is more impor	tant than	understanding.				
89.	Whi	ich of the follo	owing s	statement is not	false?					
	(a)	Axioms are	consid	ered as truth.						
	(b)	Axioms nee	d verif	ication.						
	(c)	Axioms can	be cha	llenged.						
	(d)	Nothing is to	ruth wi	thout verification	on.					
90.	,,A v	whole is greate	er than	its part", is an	example	of				
	(a)	Axiom	(b)	Postulate	(c)	Assumption	(d)	Hypothesis		
91.	The	statement "Fe	eedbacl	k is helpful in A	chievem	ent" is				
	(a)	A factual sta	itemen	t	(b)	A hypothesis				
	(c)	An assumpti	ion		(d)	A belief				
92.	Who	o is known as	the "Fa	ather of Geome	try"?					
	(a)	Thales	(b)		(c)	Pythagorous	(d)	Aryabhatta		

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93.	Which of the following options is not false for a standardized test?										
	(a) Difficulty value is calculated only.										
	(b)	(b) Difficulty value & discrimination index both are calculated.									
	(c)	(c) Discrimination index is calculated only.									
	(d)	Neither difficulty value nor discrimin	nation	index is calculated.							
94.	e strength and										
	(a)	Diagnostic test	(b)	Achievement test							
	(c)	Aptitude test	(d)	Intelligence test							
95.	"Blu	ne print" of an Achievement Test is clo	sely li	nked with its							
	(a)	Objectivity (b) Reliability	(c)	Validity (d	l) Comparability						
96.	A hi	ghly discriminating test item is									
	(a)	Very difficult	(b)	Average difficult							
	(c)	Little difficult	(d)	Very easy							
97.	<b>97.</b> Remediation is associated with diagnostic test in the same manner as prog associated with										
	(a)	Intelligence Test	(b)	Creativity Test							
	(c)	Aptitude Test	(d)	Achievement Test							
98.	Cont	tinuous and comprehensive evaluation	is nov	v called as							
	(a)	Continuations & Comprehensive Tes	sting								
	(b)	Continuous & Comprehensive Diagram	osis								
	(c)	Continuous & Comprehensive Asses	sment								
	(d) Continuous & Comprehensive Measurement										
99.	Whi	ch of the following statement is not fall	lse?								
	(a)	Results of Action Research cannot be	e gene	ralised							
	(b)	Results of Action Research can be ge	enerali	sed							
	(c)	(c) Result of Action Research cannot be trusted									
	(d)	Result of Action Research are always	s valid	l							
100.	In ca	ase of availability of evidences which l	hypoth	esis is most appropri	iate?						
	(a)	Null hypothesis	(b)	Directional hypothes	sis						
	(c)	Non-Directional hypothesis	(d)	Operational hypothe	esis						