



Test Date: 21 May 2016 PG-QP-01 Time: 12.00 noon to 2.00 p.m.

	Q. B. No. :
Entrance Test for the Course(s)	: B.Ed. [CUJHD]
Roll Number :	
Test Center Code :	
Name of the Candidate :	
Signature of the Candidate:	Signature of the Invigilator:

Instructions to Candidates

- 1. Do NOT open the Question Booklet until the Hall Superintendent gives the signal for the commencement of the examination.
- 2. Write your Name, Roll Number and Test Center Code (as found in the Admit Card) and sign in the space provided above.
- 3. After the commencement of the examination, open the Question Booklet. If the Question Booklet or the OMR Answer Sheet or both are not in good condition, then ask for immediate replacement. No replacement will be made 5 minutes after the commencement of the examination.
- 4. In the ANSWER SHEET (OMR) fill up/shade the required entries (Roll Number, Test Center Code, Test Paper Code, Question Booklet Number etc in the space provided) using **black/blue** ball point pen.
- 5. The paper is divided into **three** Parts: A candidate has to answer a total of **100** questions. Part A: General awareness is compulsory for all candidates (**25 Q's**), Part B: Teaching Aptitude is also compulsory for all candidates (**35 Q's**), Part C consists of four Sections I, II, III and IV (Attempt **any one** Section as per the eligibility). Section I: Social Science (**40 Q's**); Section II: Language (**40 Q's**); Section III: Physical Science and Mathematics (**40 Q's**), Section IV: Life Sciences (**40 Q's**).
- 6. All questions are in MCQ pattern. There is only **one** most appropriate correct answer for **each** question.
- 7. All questions carry equal marks. There will be negative marking in CUCET-2016. Each corect answer carries 03 marks and for each wrong answer, 01 mark will be deducted. Questions not attempted will not be assessed and hence will not be considered for preparing final merit list.
- 8. Darken only **one** circle for each question. If you darken more than one circle for the question, it will be deemed as incorrect answer. Any change in the answer once marked is **NOT** allowed.
- 9. Use the Answer Sheet carefully. No spare Answer Sheet will be given.
- 10. After completion of examination, a candidate will be allowed to take with him Question Booklet and Candidate's copy of OMR answer sheet. However, each candidate must ensure to handover original copy of OMR sheet to the Invigilator. In case a candidate takes away the original OMR answer sheet, his/her examination will be treated as cancelled.
- 11. No candidate will be allowed to leave the examination hall before completion of Entrance Test. Total time allowed for the paper is 2 Hours.
- 12. No candidate will be allowed to leave the examination hall before completion of Entrance Test. Total time allowed for the paper is 2 Hours.
- 13. Calculators, Tables or any other calculating devices, Mobiles, Pagers, Booklets, Papers etc. are strictly prohibited for this examination.
- 14. Rough work should be done on the blank space provided in this Question Booklet. No extra paper will be provided.



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Do Not Writer Here



SPACE FOR ROUGH WORK



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PART – A

1.	Where will be 8 th BR	ICS summit held?		
	A) India	B) Russia	C) Brazil	D) China
2.	What was the time po	eriod of Indus Civilisa	tion/ Harappan Civ	ilization ?
	A) 2400 BC/1700 B	C	B) 2400 BC/1750	BC
	C) 2500 BC/1700 B	C	D) 2500 BC/1750	BC
3.	Which is the oldest to	ext in the world?		
	A.) Yajur Veda	B) Atharva Veda	C) Rig Veda	D) Sam Veda
4.	Gautama Buddha ren	ounced home at the ag	ge of	
	A) 26	B) 27	C) 28	D) 29
5.	Tipu Sultan was the r	ruler of .		
	A) Bengal		B) Karnataka	
	C) Hyderabad		D) Mysore	
6.	Who was last Govern	nor General of free Ind	ia?	
	A) Mountbatten		B) Linlithgow	
	C) Rajagopalachari	\$.	D) Wavell	
7.	Constitution of India	was adopted by Cons	tituent Assembly or	n
	A) 25 th October, 194	48		
	B) 25 th October 195	1		
	C) 26 th November 1	949		
	D) 26 th January 195			
8.	Light from the sun re	eaches the earth in		
	A) 8 Minuntes	B) 8 Seconds	C) 8 Hours	D) 1 Year
9.	Who was the Politica	l Guru of Netaji ?		
	A) Patel	B) Gokhale	C) C.R. Das	D) Tilak



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10.	To be elected, the Pr A) 25	esident of India must B) 35	have attained the a	ge of D) 40
11.	,	ride and Nitrous oxide and Suphur dioxide zone	e	een House Effect'?
12.	Which of the followsA) DengueB) ChikungunyaC) Japanese EncephD) Yellow Fever		nsmitted by tiger m	nosquitoes?
13.	Plants receive their r A) Atmosphere	nutrients mainly from B) Chlorophyll	C) Light	D) Soil
	The disease caused by A) Pellagra Bamboo is classified	B) Marasmus	in in children is ca C) Beri-Beri	lled D) Rickets
13.	A) Bush	B) Tree	C) Grass	D) Weed
16.	The best indicator ofA) Its agricultureB) Its transportC) Its Gross productD) Its per capita inc	tion	ent of any country	is
17.	The concept of Econ	_		D) Puccio
1.0	A) USA	B) UK	C) Australia	D) Russia
18.	Which Five Year Pla A) Second Five Year		B) Third Five Yo	ear Plan

D) Fifth Five Year Plan

C) Fourth Five Year Plan



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19.	Which Five Year Plan focused on "Growth	with Social Justice and Equity"?
	A) Ninth Five Year Plan	B) Eighth Five Year Plan
	C) Seventh Five Year Plan	D) Sixth Five Year Plan
20.	Big Bang Theory explains	
	A) Origin of Universe	
	B) Origin of Sun	
	C) Laws of Physics	
	D) None of the above	
	As per the Constitution of India, the inter Parliament should not be more than	evening period between two sessions of
	A) One Year	B) Nine Months
	C) Six Months	D) Three Months
22.	Which is the brightest star in the sky? A) Sirinus B) Alpha Centauri C) Proxima Centauri D) Venus	
23.	What is the name of the first satellite India	had launched?
	A) Aryabhatta	B) Rohini
	C) INSAT	D) Bhaskara
24.	Who is called "The Father of Indian Cinem	a" ?
	A) Dadasaheb Phalke	
	B) V. Shantharam	
	C) Prithviraj Kapoor	
	D) R. Nataria Mudaliar	
25.	Who is the author of the book "The God of	Small Things"?
	A) Chetan Bhagat	
	B) Viikram Seth	
	C) Amitava Ghosh	
	D) Arundhati Roy	



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PART – B

26.	A teacher to draw the attention in the classA) Use innovative teaching aidsC) Emphasize on group activities	s should B) Use illustrative examples D) Start dictating
27.	Which of the following is the most importate of beginning a teacher? A) Scholarship B) Communicative ability C) Personality and its ability to relate to the D) Organizational ability	
28.	Verbal guidance is least effective in teachi	ng
	A) Attitude	B) Concept
	C) Relationship	D) Skills
	Quality of education in a school/college ca A) Infrastructural facilities available B) Manpower, teachers and principal avai C) Students achievement D) All of the above The first important step in teaching is A) Planning before hand C) Knowing the background of students	
31.	Mainstreaming is a term associated with A) career education B) education for handicapped C) inter-age class groupings D) environmental education	
32.	Suggestions help in the development of interest sense and character traits. Which of the following suggestions? A) Pupil of same age	
	C) Elders	D) None of these



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33.	 A competent teacher must have a sound k A) Practice, Concept, Theory and Research B) Theory, Research, Practice and Conce C) Concept, Theory, Practice and Research D) Research, Practice, Concept and Theory 	ch pt ch
34.	Maximum participation of students is pos	sible in teaching through
	A) Lecture method	B) Discussion method
	C) Textbook method	D) Audio-visual aids
35.	Discussion Method can be used when	
	A) The topic is very difficult	B) The topic is easy
	C) The topic is lengthy	D) All of the above
36.	The main aim of teaching is	
	A) To develop only reasoning	B) To develop only thinking
	C) Both (A) and (B)	D) To give information
37.	The quality of teaching is reflected	
37.		Jaco
	A) By the attendance of students in the cB) By the pass percentage of students	lass
	C) By the quality of questions asked by	etudante
	D) By the duration of silence maintained	
	b) by the duration of shelice maintained	in the class
38.	If a student is constantly rubbing his eyes a he is having	and is inattentive during blackboard work,
	A) Adjustment problem	B) Hearing problem
	C) Visual problem	D) All of the above
39.	The professional requirement of a teacher is/are	as explained in the UNESCO publication
	A) mastery over the subject and compete	ency for teaching
	B) innovativeness in approach and teach	ning strategies
	C) justice to the profession	
	D) all of the above	
40.	Kindergarten (KG) system of education is	indebted to

A) Dewey B) Froebel C) Plato

D) Spencer



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41.	Which of the following must be the qualiti A) Patience and tolerance	es of a teacher, except ? B) Sweet, polite and clear voice
	C) Superstitions	D) Good communication skill
42.	All of the following statements about a tea A) A friend, guide and philosopher	cher are correct except that she/he is
	B) Teacher that the students do not know	
	C) The leader in the class	
	D) Changes his attitudes and behaviour ac	cording to the need of the society
43.	•	
	A) Teach in a formal as well as informal w	·
	B) Select such stimulus so that, the studen	
	C) Talk and think about instruction, which classified manner	may contain facts in organised and
	D) Both (A) and (B)	
44.	If a student is absent from the classes for a	long time
	A) you will try to know the cause of his at	osence
	B) you would try to solve his problems or	help him
	C) both (A) and (B)	
	D) refer to a psychiatrist	
45.	Who has the least chance of becoming an e	effective teacher ?
	A) One who is a strict disciplinarian	B) One who knows his subject well
	C) One who has no interest in teaching	D) One who teaches moral values
46.	Which of the following is fast step of teach	ing?
	A) Presentation	B) Application
	C) Comparison	D) Generalisation
47.	Which of the following is /are correct?	
	A) A teacher should introduce the lesson l	pefore he starts teaching
	B) A teacher should have command over	his language
	C) A teacher should have command over l	his subject
	D) All of these	



48.	Effective teaching in			
	A) Teacher domina	nce	B) Pupil dominar	nce
	C) Teacher and pup	oil interaction	D) Silence	
49.	understand your lect A) You are unable B) Your educationa C) Students fear yo	assroom, some student ure. What may be the to communicate effect I methodology is inact u	reason for this? ively lequate	·
50.	If a teacher is cracki what will you do?	ng filthy jokes in a cla	ass and you are una	able to stop him, then
		r decently not to waste	e their time in filthy	y jokes
	B) Live in isolation	or change the group		
	C) Instruct him to r	nind his/her language	in class	
	D) Be critical and re	emind him for the nob	ility of their jobs	
5 1	The teacher has been	alonified by the mbrace	"Triand philosoph	an and avida" hasaysa
31.		glorified by the phrase		er and guide because
		ll vital roles in the cor high value of humani		
		eformer of the society	ty to students	
	D) He is a great pat			
	D) The is a great par	Hot		
52.	-	ontribution towards the	maximum self-rea	lization of the student
	is affected through	,		
	•	nent of the student's n	eeds	
	,	class-room activities	•	
	•	idents' needs, goals ar		
	D) Strict reinforcem	nent of academic stand	lards	
53.	Teacher's primary re	esponsibility lies in		
	A) Planning educat	ional experiences	B) Implementing	policies
	C) Keeping student	s record	D) All of the abo	ve
54.	How a teacher shou	ld behave with the stu	dents ?	
	A) General	B) Father	C) Friend	D) Leader
			,	

- 55. If a girl student requests you to collect her posts at your address what would you like to do in this case ?
 - A) You would not give permission as it is against your own principles
 - B) You will never allow her suspecting a foul game
 - C) As a teacher you will allow her
 - D) You will permit her because you may get in touch with her
- 56. The most important task in teaching is
 - A) Making monthly reports and maintaining records
 - B) Making assignments and hearing recitations
 - C) Directing students in the development of experience
 - D) None of these
- 57. Why should a student not be punished severely?
 - A) He may quarrel with a teacher
 - B) He may leave the school and join another
 - C) His parent may quarrel with the teacher
 - D) The student may develop a negative attitude towards his studies, teacher and school
- 58. The teaching is not thought as a process of
 - A) Directing the activities of people
 - B) Listening the recitation of pupils
 - C) Indoctrinating adult ideas to young people
 - D) Working with them
- 59. A teacher can help adolescent to overcome his special problems, and help him to adjust to the environment. Which of the following attitude, they should not?
 - A) Impart right information about sex
 - B) Redirect the energies of the adolescent to fruitful channels through sports and other constructive activities
 - C) Have sympathetic attitude towards others
 - D) Put forth current cases to students
- 60. A teacher can establish rapport with his pupil by
 - A) Becoming a figure of authority
 - B) Impressing them with knowledge and skill
 - C) Playing the role of a guide with desire to help them
 - D) Becoming a friend to the pupils



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PART-C

SECTION – I, II, III and IV (Attempt any one Section as per the Eligibility) (SECTION – I : SOCIAL SCIENCE)

- 61. The average fixed cost curve is a rectangular hyperbola because
 - A) TFC remains constant during production in the short run
 - B) TFC decreases as more units are produced
 - C) TFC is zero at zero level of output
 - D) TFC is zero at zero level of input
- 62. A producer is said to be in equilibrium under perfect competition when
 - A) AR = MR = Price and MC curve is falling when MC = Price
 - B) Price = MC and MC curve is rising at the point of equality
 - C) Price > MC & MC is falling
 - D) MR = MC
- 63. Which one of the following is the difference between Narrow Money & Broad Money?
 - A) DD

B) TD

C) Post Office Deposits

D) OD

- 64. NDP_{MP} will be equal to
 - A) NDP_{FC} + Depreciation
 - C) NDP_{FC} Subsidies

- B) NDP_{FC} + Indirect Taxes
- D) NDP_{FC} + Net Indirect Taxes
- 65. Which of the following is an Indirect Tax?
 - A) Income Tax

B) Entertainment Tax

C) Profit Tax

- D) Wealth Tax
- 66. The minimum value of the multiplier is
 - A) Zero when MPC is one

B) One when MPC is zero

C) Infinity when MPC is one

- D) Infinity when MPC is zero
- 67. Which of the following is used to combat excess demand in an economy?
 - A) Increase in bank rate

B) Reduction in C.R.R.

C) Reduction in S.L.R

- D) All the above
- 68. Marginal propensity to consume is
 - A) Ratio of change in income to a change in consumption over a period of time
 - B) Ratio of change in consumption to a change in income over a period of time
 - C) Never greater than one
 - D) (B) & (C)

69.	When there are economies of scale A) MC > AC, so cost-output elasticity	is greater than AC		
	B) MC < AC, so cost-output elasticity is less than AC			
	C) MC < AC, so cost-output elasticity is greater than one			
	D) MC < AC, so cost-output elasticity	is less than one		
70.	National Rural Employment Programm	ne started in		
	A) 1979 B) 1980	C) 1981	D) 1982	
71.	Who among the following supported the	he theory of Natura	al Right ?	
	A) Locke	B) Hobbes		
	C) Thomas Paine	D) Hegel		
72.	Gandhian Philosophy believes that		>	
	A) Means justify the ends	(1)		
	B) End justify the means			
	C) Means can never justify the ends			
	D) None of the above			
73.	The Mechanistic Theory of Organization	on is also referred	to as the	
	A) Classical Theory			
	B) Bureaucratic Theory			
	C) Scientific Management Theory			
	D) None of the above			
74.	Name the School of International Re	-		
	security over ideology, moral concern			
	A) Idealism	B) Construction		
	C) Realism	D) Tradition	ansin	
75.	Which one of the following is not a pr	rinciple of Panchas	heel?	
	A) Mutual respect for each other's te	rritorial integrity a	nd sovereignty	
	B) Non-aggression			
	C) Non-alignment			
	D) Peaceful-coexistence			



- 76. Who was the first Chairman of the Constituent Assembly?
 - A) Dr. Rajendra Prasad

B) Sachidananda Sinha

C) Dr. B. R. Ambedkar

- D) Jawaharlal Nehru
- 77. Which of the following Committee contains representatives of both Houses viz, Lok Sabha and Rajya Sabha?
 - A) Business Advisory Committee
 - B) Committee on Subordinate Legislation
 - C) Rules Committee
 - D) Public Accounts Committee
- 78. Who among the following is not part of "Team Anna" in the agitation for enacting the Lok Pal Bill?

A) Prasanth Bhushan

B) Aravind Kejriwal

C) Baba Ramdev

D) Kiran Bedi

- 79. On Liberty was written by
 - A) James Mill

B) Wright Mills

C) J.S. Mill

- D) Jeremy Bentham
- 80. The Electoral College for the election of the President of India consists of
 - A) Members of both Houses of Parliament and members of Legislative Council
 - B) Elected members of Parliament
 - C) Members of the Legislative Assemblies and Legislative Councils of the States
 - D) Elected members of both Houses of Parliament, the elected members of the Legislative Assemblies of the State & Union Territories
- 81. Which is correct order of solar system starting from Sun?
 - A) Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune
 - B) Mercury, Venus, Earth, Mars, Jupiter, Saturn, Neptune, Uranus
 - C) Mercury, Venus, Mars, Earth, Jupiter, Saturn, Neptune, Uranus
 - D) Mercury, Venus, Earth, Jupiter, Mars, Saturn, Uranus, Neptune
- 82. Surface temperature of Sun is about
 - A) 5000 degree Celsius
 - B) 5500 degree Celsius
 - C) 6000 degree Celsius
 - D) 6500 degree Celsius



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83.	The thickness of eart A) 25 Km	h crust is about B) 30 Km	C) 35 Km	D)	40 Km
84.	Which is not a type o	f rock?			
	A) Igneous		B) Sedimo	•	
	C) Metamorphic		D) Sedom	orphic	
85.	Which is the longest	continental mount	ain range in the	e world?	
	A) The Andes		B) The Al	lps	
	C) The Rockies		D) The H	imalayas	
86.	Which river is also k	nown as Yellow R	iver?		
	A) Hwang-Ho	B) Amazon	C) Damoo	dar D)	Cauvery
87.	The oldest rocks in In A) Shivalik range, P B) Dharwar region, C) Aravalli range, R D) Vindhyan range,	unjab Karnataka ajasthan	rom		
88.	The Tropic of Cancer	r passes through	.0		
	A) India and Iran		B) Iran ar	nd Pakisthar	1
	C) India and Soudi A	Arabia	D) Iraq ar	nd Iran	
89.	The watershed betwee	en India and Myar	mar is formed	by	
	A) The Naga hills		B) The Ja	intia hills	
	C) Khasi hills		D) The Ga	aro hills	
90.	Which country has th	ne largest coast line	e ?		
	A) USA	B) Brazil	C) Austra	lia D)	Canada
91.	Which was the large	st site of Indus Civ	vilization ?		
	A) Mohenjodaro		B) Lothal		
	C) Chanhudaro		D) Dhola	vira	
02	Vedic Culture was fro	am.			
9∠.	A) 1500 BC to 500 E		B) 1450 F	BC to 550 B	C
	C) 1400 BC to 500 E		<i>'</i>	BC to 400 B	
	,		,		



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93.	Ajatasatru was son of		
	A) Bimbisara	B) Udayin	
	C) Shisunaga	D) None of above	
94.	The Sarvodaya Movement was initiated	l by	
	A) J P Narayan	B) Mahatma Gandhi	
	C) Vinoba Bhave	D) Bhagat Singh	
95.	With whose permission did the English	set up their first factory in	Surat ?
	A) Akbar	B) Jahangir	
	C) Shahjahan	D) Aurangzeb	
96.	Who put an end to the system of Dual (Government in Bengal ?	
	A) Regulating Act		
	B) Clive		
	C) Warren Hastings		
	D) British Parliament		
97.	First Governor-General of Bengal was		
	A) William Bentinck	\'0	
	B) Robert Clive	`	
	C) Warren Hastings		
	D) Sir Charles Metcalfe		
98.	What is the meaning of MatiJnana in Ja	ainism ?	
	A) Perception through activity of sens	e organs	
	B) Knowledge revealed by scriptures		
	C) Clairvoyant perception		
	D) Telephonic knowledge		
99.	To conquer and annex Peshawar and P	unjab, Mahmud of Ghazni o	defeated
	A) Ghurids	B) Arabs	
	C) Karkotakas	D) Hindushahis	
100.	The French Revolution took place in th	ne year	

B) 1787

C) 1788 D) 1789

A) 1786



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(SECTION-II: LANGUAGE)

101.	नास्तिकदर्शनानि कति ?			
	A) पश्च	B) त्रीणि	C) चत्वारि	D) षट्
102.	संस्कृतसाहित्यस्य आदिकि	वे: क: ?		
	A) वाल्मीकि:	B) व्यास:	C) भट्टनारायण:	D) दण्डी
103.	किरातार्जुनीयम् महाकाव्ये व	क्ति सर्गा: सन्ति ?		
	A) पश्चदश	B) षोडश:	C) सप्तदश	D) अष्टादश
104.	च वर्णस्य उच्चारणस्थानं वर्त	ति		
	A) तालु	B) कण्ठ:	C) मूर्धा	D) कण्ठतालु:
105.	पीताम्बर: इत्यत्र क: समास	: ?		
	A) तत्पुरुष:	B) द्वन्द्र:	C) द्विगु:	D) बहुव्रीहि:
106.	शिवराजविजयम् इति कस्य	कृति: ?		
	A) कालिदासस्य	//0	B) अम्बिकादत्तव्यासस्य	य
	C) भवभूते:	5.	D) माघस्य	
107.	रामायणे कति काण्डानि सर्गि	ते?		
	A) एकादश:	B) द्वादश:	C) त्रयोदश:	D) सप्त
108.	उपैति इत्यत्र कः सन्धिः ?	,		
	A) गुण	B) दीर्घ	C) विसर्ग	D) वृद्धि
109.	चतुर्विंशतिसाहस्त्रीसंहिताया	: कर्ता क: ?		
	A) वाल्मीकि:	B) वेदव्यास:	C) माघ:	D) अश्वघोष:
110.	शुष्क इत्यत्र कः प्रत्ययः ?			
	A) क	B) ष	C) क्त	D) श
111.	देवकीनन्दनखत्री रचित चन्द्र	कान्तासन्तती किस प्रकार क	ा उपन्यास है ?	
	A) ऐतिहासिक	B) तिलस्मी	C) सामाजिक	D) जासूसी



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112.	श्वेतांक किस उपन्यास का प	गात्र है ?		
	A) गोदान	B) चित्रलेखा	C) मृगन्यनी	D) सुहागकानुपुर
113.	आधुनिक मीरा की संज्ञा वि	oसे दी जाति है ?		
	A) सहजोबाई		B) सुभद्राकुमारी चैहान	
	C) विद्यावतिकोकिल		D) महादेवीवर्मा	
114.	पेट में दाढी होना मुहावरे के	उथर्थ के लिये नीचे दिये गये	विकल्पो में सही विकल्प	का चयन करें।
	A) बहुत गम्भीर		B) बहुत चतुर	
	C) सुलझाहुआ		D) मन्दबुद्धि	
115.	छायावाद का प्रवर्तन कब हु	^{हुआ} ?		
	A) आधुनिक काल में		B) वीरगाथा काल में	
	C) भक्ति काल में		D) रीति काल में	
116.	आकाशदीप कहानी किसर्व	ने लिखी है ?		
	A) भगवती चरणवर्मा		B) जयशंकर प्रसादवम	f
	C) चन्द्रधरशर्मागुलेरी		D) जैनेन्द्र	
117.	छात्रों को हिन्दी साहित्य के	इतिहास की जानकारी देना वि	किस प्रकार का उद्देश है ?	
	A) ज्ञानात्मक	B) सृजनात्मक	C) कौशलात्मक	D) भावनात्मक
118.	रीतिकाल यह नाम किसके	द्वारा प्रदत्त है ?		
	A) रामचन्द्रशुक्ल		B) विश्वनाथप्रसाद	
	C) भारतेन्दु हरिश्चन्द्र		D) जयशंकर प्रसाद	
119.	वैराग्य संदीपनी किसकी रच	ाना मानी जाति है ?		
	A) सूरदास		B) मीराबाई	
	C) तुलसीदास		D) कबीरदास	
120.	प्रकृतिवाद कहना किसे आ	धेक समीचीन होगा ?		
	A) प्रयोगवाद		B) हालावाद	
	C) लोकायतन		D) छायावाद	



PG-QP-01-19-121. Don't think there are no crocodiles because the water is calm. A) Simple Sentence B) Compound Sentence C) Complex Sentence D) Mixed Sentence 122. If you fear God, you won't fear humans. A) Complement B) Indirect object C) Direct object D) Subject 123. If you want to know what a man is like, take a good look at how he treats his inferiors, not his equals. A) Noun clause B) Adjective clause C) Adverb clause D) Noun phrase 124. Attack is the best form of defence. A) Preposition B) Adjective C) Conjunction D) Verb 125. Which proverb have similar meaning to: Strike when the iron is hot? A) An apple a day keeps the doctor away B) Rome was not built in a day C) Sweet are the uses of adversity D) Make hay while the sun shines 126. Do not look where you fell, but where you slipped. B) Auxiliary verb A) Transitive verb C) Intransitive verb D) Adjective 127. Those who do not learn from history are doomed to repeat it. B) Infinitive A) Participle C) Gerund D) Conjunction 128. Don't look a gift horse in the mouth. A) Assertive sentence B) Interrogative sentence D) Optative sentence C) Imperative sentence 129. Oh! Hell hath no fury like a woman scorned. A) Mixed sentence B) Exclamatory sentence C) Optative sentence D) Assertive sentence 130. Life is what you make it.

B) Adjective clause

D) Noun phrase

A) Noun clause

C) Adverb clause



131. Who was appointed poet Laureate after William Wordsworth? A) Tennyson B) Robert Browning C) George Elliot D) D.G. Rossetti 132. The epigraph of The Waste Land is borrowed from B) Fetronius A) Virgil C) Seneca D) Homer 133. Which book of John Ruskin influenced Mahatma Gandhi? A) Sesame and Lilies B) The Seven Lamps of Architecture D) Fors Clavigera C) Unto This Last 134. Which of the following novels has the sub-title 'A Novel Without a Hero'? A) Vanity Fair B) Middle March C) Wuthering Heights D) Oliver Twist 135. Shelley's Adonais is an elegy on the death of A) Keats B) Coleridge C) Milton D) Johnson 136. In the poem 'Tintern Abbey', 'dearest friend' refers to B) Dorothy A) Nature C) Coleridge D) Wye 137. W. B. Yeats used the phrase 'the artifice of eternity' in his poem B) Sailing to Byzantium A) Byzantium D) Leda and the Swan C) The Second Coming 138. The line "she dwells with Beauty – Beauty that must be" occurs in Keats' B) Ode to a Grecian Urn A) Lamia C) Ode on Melancholy D) Endymion 139. It was the best of times, it was the worst of time, it was the worst – the opening of Dickens' A) Hard Times B) David Copperfield C) Oliver Twist D) A Tales of Two Cities 140. Which of the following is not a tragedy written by Shakespeare? A) Macbeth B) Othello C) Merchant of Venice D) Hamlet

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PG-QP-01



-21- **PG-QP – 01**

(SECTION – III: PHYSICAL SCIENCE AND MATHEMATICS)

Who is regarded as father of modern Chemistry?				
A) C. V. Raman	B) Lavoisier	C) Rutherford	D) Einstein	
2. Which is not a type of elements?				
A) Metals	B) Gases	C) Non Metals	D) Metalloids	
-				
A) Marlic Acid	B) Citric acid	C) Lactic acid	D) Tartaric acid	
4. Find the number of atoms in a cubic based unit cell having one atom on each coand two atoms on each diagonal.			atom on each corner	
A) 9	B) 13	C) 5	D) 18	
Brass is a type of	crys	tal.		
A) Covalent	B) Ionic	C) Metallic	D) None of these	
6. A NaCl crystal is found to have CsCl structure because it might have been subjected to A) High temperature B) Low temperature C) High pressure D) Low pressure				
 The particles when placed in the adjacent rows show a horizontal as well as vertical alignment and form squares. This type of packing is known as A) Hexagonal close packing B) Square close packing C) Cubic close packing D) Both (B) and (C) 				
 Thermodynamic principles are applicable A) Only to the bulk of matter B) Only to an individual atom or molecule C) Only to the bulk of matter and not to individual atom or molecule D) None of these 				
A system which can known as	exchange only energy	but not matter wit	th the surrounding is	
A) closed system		B) open system		
C) isolated system		D) none of these		
	A) C. V. Raman Which is not a type of A) Metals Which acid is present A) Marlic Acid Find the number of at and two atoms on each A) 9 Brass is a type of A) Covalent A NaCl crystal is four A) High temperature The particles when pla alignment and form so A) Hexagonal close B) Square close pack C) Cubic close pack D) Both (B) and (C) Thermodynamic prin A) Only to the bulk so Only to an indivication of these A system which can known as A) closed system	A) C. V. Raman B) Lavoisier Which is not a type of elements? A) Metals B) Gases Which acid is present in Lemon? A) Marlic Acid B) Citric acid Find the number of atoms in a cubic based of and two atoms on each diagonal. A) 9 B) 13 Brass is a type of crystal is found to have CsCl structured. A) High temperature B) Low temperature. The particles when placed in the adjacent realignment and form squares. This type of packing B) Square close packing B) Square close packing C) Cubic close packing C) Cubic close packing D) Both (B) and (C) Thermodynamic principles are applicable A) Only to the bulk of matter B) Only to an individual atom or molecule C) Only to the bulk of matter and not to in D) None of these A system which can exchange only energy known as A) closed system	A) C. V. Raman B) Lavoisier C) Rutherford Which is not a type of elements? A) Metals B) Gases C) Non Metals Which acid is present in Lemon? A) Marlic Acid B) Citric acid C) Lactic acid Find the number of atoms in a cubic based unit cell having one and two atoms on each diagonal. A) 9 B) 13 C) 5 Brass is a type of crystal. A) Covalent B) Ionic C) Metallic A NaCl crystal is found to have CsCl structure because it might had) High temperature B) Low temperature C) High pressure The particles when placed in the adjacent rows show a horizontalignment and form squares. This type of packing is known as A) Hexagonal close packing B) Square close packing C) Cubic close packing C) Cubic close packing D) Both (B) and (C) Thermodynamic principles are applicable A) Only to the bulk of matter B) Only to an individual atom or molecule C) Only to the bulk of matter and not to individual atom or m D) None of these A system which can exchange only energy but not matter witknown as A) closed system B) open system	

PG-QP - 01	-2	22-



- 150. A body is moving along a circular path with variable speed. It has
 - A) a radial acceleration
 - B) a tangential acceleration
 - C) zero acceleration
 - D) both tangential and radial accelerations
- 151. A body is travelling in a circle at constant speed. It
 - A) has constant velocity
 - B) has no acceleration
 - C) has an inward acceleration
 - D) has an outward radial acceleration
- 152. A body of mass 100 grams, tied at the end of a string of length 3 m rotates in a vertical circle and is just able to complete the circle. If the tension in the string at its lowest point is 3.7 N, then its angular velocity will be $(g = 10 \text{ m/s}^2)$
 - A) 4 rad/s

B) 3 rad/s

C) 2 rad/s

- D) 1 rad/s
- 153. A body of mass 500 gram is rotating in a vertical circle of radius 1 m. What is the difference in its kinetic energies at the top and the bottom of the circle?
 - A) 4.9 J
- B) 19.8 J
- C) 2.8 J
- D) 9.8 J
- 154. A cyclist turns around a curve at 15 miles per hour. If he turns at double the speed, the tendency of overturn is
 - A) Doubled

B) Quadrupled

C) Halved

- D) Unchanged
- 155. A frictional track ABCDE ends in a circular loop of radius R, body slides down the track from point A which is at a height h of 5 cm. Maximum value of R for the body to successfully complete the loop is
 - A) 5 cm
- B) $\frac{15}{4}$ cm C) $\frac{1}{3}$ cm D) 2 cm
- 156. A cyclist goes round a circular path of circumference 343 m in $\sqrt{22}$ s. The angle made by him, with the vertical is
 - A) 42°
- B) 43°
- C) 44°
- D) 45°



	HIIII 1111 III 1111 III III	-23-		PG-QP - 01
157.		e velocity is directed		speed of 240 r.p.m. At s, the rope breaks. To
	A) 1.2 m	B) 41.2 m	C) 20.6 m	D) 24.9 m
158.	A van is moving with between tyres and ro curvature of the road v	oad 0.5. For the safe		coefficient of friction e minimum radius of
	A) 80 m	B) 40 m	C) 180 m	D) 20 m
159.	Angular velocity of a	n hour hand of a wate	ch	
	A) $\frac{\pi}{43200}$ rad/s	B) $\frac{\pi}{21600}$ rad/s	C) $\frac{\pi}{30}$ rad/s	D) $\frac{\pi}{1800}$ rad/s
	Let 6 ^m = 46656. Wha A) 7782			
160.	Let $6^{m} = 46656$. Wha	t is the value of 6^{m-2}	2?	
	A) 7782	B) 7776	C) 1296	D) 1290
161.	first three tosses, wha	it is the probability th	at the coin will land	d with the head up on
	A) 0	B) 1/16	C) 1/8	D) 1/2
162.	On selling 17 balls at cost price of a ball is			
	A) 45	B) 50	C) 55	D) 60
163.	If $f(x)$ is an odd funct	ion, then $ f(x) $ is		
	A) an odd function		B) an even function	
	C) neither odd nor even		D) both odd and even	
164.	If the coefficient of iterm, then r equals	th term in the expans	sion of $(1+x)^{20} = c$	oefficient of $(r + 2)^{th}$
	A) 12	B) 8	C) 10	D) 9
165.	∫ sinxsinxa dx is equ	al to		
	A) $x \cos a + \sin a \log a$	$g \sin(x-a) + C$	B) $(x-a)\cos x + 1$	og $\sin(x-a) + C$
	C) $\sin(x-a) + \sin x +$	- C	D) $\cos(x-a) + \cos(x-a)$	os x + C



PG-0	QP - 01	-24-		
166.	A man can row upst the stream is	ream at 8 kmph and	downstream at 13	kmph. The speed of
	A) 10.5 km/hr	B) 5 km/hr	C) 4.2 km/hr	D) 2.5 km/hr
167.	_	same time from 2 star other at a distance of 1 eds?	_	
	A) 18:4		B) 7: 3	
	C) None of these		D) 11:9	
168.	4/15 of 5/7 of a number ?	per is greater than 4/9	of 2/5 of the same r	number by 8. What is
	A) 316	B) 315	C) 314	D) 311
	percentage loss incur should the article be s A) Rs. 2,000 C) Rs. 2,400 A Radiocarbon is pro A) Collision between B) Action of ultravio		ne article for Rs. 1, fit? B) Rs. 2,200 D) Data inadequatere as a result of trogen nuclei present on atmospheric ox	te atmosphere
171.		hours by three pipes A ast as A. How much tin		
172.	walked 20 K.m more	14 K.m per hour inst. The actual distance to	ravel by him is	
	A) 50 Km	B) 56 Km	C) 70 Km	D) 80 Km



173.	A and B can together finish a work in 30 days. They work together for 20 days then B left. After another 20 days, A finished the remaining work. In how many days, A alone can finish the work?			
	A) 40 Days	B) 50 Days	C) 54 Days	D) 60 Days
174.	_	lo a piece of work in at is the ratio between B) 4:3		_
	A) 3.4	D) 4.3	C) 3.3	D) 3.3
175.	B) The level of the lC) Both its limbs are	the liquid in the two viquid in the two vesse	ls are at the same h	-
176.	A die is rolled. What	is the probability that	the number rolled	is greater than 2 and
	even?		4.	
	A) 1/2	B) 1/3	C) 2/3	D) 5/6
177.	Matrix A has 4 rows Matrix AB will have	and 3 columns, and M		
	A) 4 rows and 2 colu	ımns	B) 5 rows and 3 c D) 3 rows and 5 c	olumns
	C) 2 rows and 4 colu	imns	D) 3 rows and 5 c	olumns
178.	8. A gardener brought 5 rabbits, after 2 months rabbits became 10, and after 4 months they became 20. If the growth continues on the same ratio, what would be the amoun of rabbits after 1 year?			
	A) 300	B) 425	C) 535	D) 635
179.	Which is not a transit	tion element ?		
	A) Sodium		B) Iron	
	C) Cobalt		D) Copper	
180.	O. Choose the molecule that is incorrectly matched with the electronic geometry about the central atom.			
	A) CF ₄ - tetrahedral		B) BeBr ₂ - linear	
	C) H ₂ O - tetrahedral		D) PF ₃ - pyramida	al



PG-QP - 01 -26-

(SECTION – IV : LIFE SCIENCES)

181.	Acoelomates are characterized by A) The absence of cavity surrounding the internal organs B) The presence of huge body cavity, as in case of terrestrial animals C) The presence of air sacs, as in case of birds D) The absence of brain in a group of extinct species				
182.	. Identify the phylum that is characterized by the animals that have segmented appendages.				
	A) Cnideria	B) Porifera	C) Arthropoda	D) Mollusca	
183.	83. Which of the following proteins contain a modified amino acid – desmosine?				
	A) Keratin	B) Gelatin	C) Elastin	D) Collagen	
184.	 Which of the following statements about meiosis is not true? A) Kinetochores of sister chromatids attach to opposite poles in meiosis I B) Kinetochores of sister chromatids attach to opposite poles in meiosis II C) Chiasma is formed in Prophase I D) Homologous chromosomes are segregated in meiosis I 				
185.	When a marine fish i	s placed in fresh water	r, it dies because		
	A) Entry of water an	d it floats	B) Exit of water a	and shrinks	
	C) Deficiency of sal	ts	D) Deficiency of	nutrients	
186.	36. Deepest enriched soil with nutrients is present at				
	A) Tropical rain fore	ests	B) Dry deciduous	s forests	
	C) Grasslands		D) Conifers		
187.	A non harmful speci shown is	es copies a harmful a	and tasteless form,	the type of mimicry	
	A) Bateson		B) Mullerian		
	C) Darwinian		D) Morganarian		
188.	synthesize cysteine fi	sential amino acid in som other two amino a		*	
	A) Methionine		B) Selenocystein		
	C) Citrulline		D) Hydroxyprolin	ne	

189.	Blood clotting protein thrombin usually contain which of the following modified amino acid?				
	A) 4-hydroxy prolin	e	B) 5-hydroxy lys	ine	
	C) 6-N-methyl lysin	e	D) γ-carboxy glu	ıtamate	
190.	Predator populations and types of decomposers are biotic environmental factors. Which is abiotic environmental factor?				
	A) common flora		B) availability of	prey	
	C) presence of micr	obes	D) average precip	oitation	
191.	Global warming is du	ie to			
	A) Absorption of UV	V by Ozone			
	B) Absorption of IR	by CO ₂			
	C) Absorption of IR	by Ozone	. ~		
	D) Absorption of UV	by CO ₂ Practice Tes	t		
192.	The Ozone layer save	es from lethal UV. It n	nainly absorbs		
	A) UV-A	B) UV-B	C) UV-A & B	D) UV-A & C	
193.	B) Oil spills in oceans C) Industrial waste mercury into fishing water D) Entry of Cadmium into drinking water				
194.	Pollination by birds i	s called			
	A) Autogamy	B) Ornithophily	C) Entomophily	D) Anemophily	
195.	The fastest-running		a		
	A) Cheetah	B) Lion	C) Man	D) Jaguar	
196.	The branch of medic affects a community	al science which is co	oncerned with the s	study of disease as it	
196.	The branch of medic	al science which is co	•	study of disease as it	
	The branch of medic affects a community A) Epidemiology	al science which is co	oncerned with the s	etudy of disease as it D) Pathology	
	The branch of medic affects a community A) Epidemiology	al science which is co of people is called B) Oncology	oncerned with the s	etudy of disease as it D) Pathology	



- 198. DNA replication is one of the most important cellular activity. At what stage the replication of DNA takes place ?
 - A) During prophase 1 of meiosis
 - B) During metaphase of mitosis
 - C) During interphase of two mitotic cycle
 - D) During Gl phase of cell cycle
- 199. Match the following
 - L. Anthrax

1. Monoclonal antibody

M. Rabies

2. Hormone

N. Hepatitis

3. Bacillus sp.

O. Humulin

4. Zoonotic disease

P. Abzyme

5. Recombinant vaccine

The correct answer is:

- A) L-3; M-4; N-5; O-2; P-1
- B) L-5; M-4; N-3; O-2; P-1
- C) L-l; M-3; N-4; O-5; P-2
- D) L-2; M-1; N-5; O-3; P-4
- 200. Bacterial cell walls have
 - A) Murein

B) Glycoprotein

C) Chitin

- D) Keratin
- 201. Basic unit of classification is
 - A) Genus

B) Species

C) Variety

- D) Family
- 202. Structural component of chlorophyll among the following is
 - A) Mg

B) Zn

C) Mn

- D) Fe
- 203. In *Pisumsativum*, yellow seeds are dominant to green. If a heterozygous yellow seeded plant is crossed with a green seeded plant, what ratio of yellow and green seeded plant would you expect in F1 generation?
 - A) 3:1

B) 1:1

C) 9:1

D) 1:3



- 204. Which step in translation does not consume high energy phosphate bond?
 - A) Translocation
 - B) Peptidyl transferase reaction
 - C) Amino acid activation
 - D) Aminoacyl tRNA binding to A-Site
- 205. The group of enzymes that cut DNA molecules at specific sites are known as
 - A) DNA ligase
 - B) DNA polymerase
 - C) Restriction endonuclease
 - D) Reverse transcriptase
- 206. Growth promoting hormones are
 - A) IAA, GA and ABA
 - B) IAA, GA and ethylene
 - C) IAA, IBA and cytokinin
 - D) IAA, cytokinin and GA
- 207. Which of the following is commonly known as a green mould?
 - A) Aspergillus
 - B) Pythium
 - C) Mucor
 - D) Penicillium
- 208. An important function of synergids in the embryo sac is to
 - A) Push the pollen tube into the egg
 - B) Nourish the embryo
 - C) Serve as the sac of pollen tube discharge
 - D) Protect the egg from damage by the pollen tube
- 209. Heterocyst used to be present in

A) Blue green algae

B) Algae

C) Fungus

D) Lichens



PG-QP - 01-30-210. In the leaves of C₄ plants, malic acid formation during CO₂ fixation occurs in the cells of A) Epidermis B) Mesophyll C) Bundle sheath D) Phloem 211. Ecosystem is mainly concerned with A) energy flow and nutrient recycling B) population C) community D) species 212. The gas that contributes most to the Greenhouse Effect is A) Methane (CH₄) B) Carbon dioxide (CO₂) C) Nitrous oxide (N₂O) D) All of the above 213. Yeast, used in making bread is a B) Plant A) Fungus C) Bacteria 214. Which of the following is called as the amphibians of the plant kingdom? A) Algae B) Fungi C) Bryophytes D) Pteridophytes 215. A bisexual flower which never opens in its life span is called A) Homogamous B) Heterogamous C) Polygamous

D) Cleistogamous



- 216. Which of the following constitutes the best definition of fruits?
 - A) A product of the flower
 - B) A product of ovary
 - C) Post fertilization product of pistil
 - D) A body that contains seeds
- 217. A fruit which develops from condensed inflorescence is called
 - A) Simple Fruit
 - B) An eaterio of fruit
 - C) An aggregate fruit
 - D) A composite fruit
- 218. The edible portion of coconut is
 - A) Endoderm
 - B) Mesocarp
 - C) Seed coat
 - D) Pericarp
- 219. Pollination is best defined as
 - A) Germination of pollen grains
 - B) Visiting flowers by insects
 - C) Transfer of pollen from anther to stigma
 - D) Growth of pollen tube in ovule
- 220. Intine of pollen grain is composed of
 - A) Lipid and protein
 - B) Cellulose and pectin
 - C) Pectin and lignin
 - D) Lignin and cutin



SPACE FOR ROUGH WORK