PART-A

SYNONYMS

Directions: Each item in this section consists of a sentence with an underlined word follow by four words (a), (b), (c) and (d). Select the option that is nearest in meaning to the underlined and mark your response in your Answer Sheet accordingly.

1.	After a good meal, it is important to pay	a
	compliment to the chef.	

- (a) tip
- (b) praise
- (c) admonish
- (d) revile

2. His work is laudable.

- (a) praiseworthy
- (b) laughable
- (c) bold
- (d) loud

3. Raj is a competent carpenter.

- (a) capable
- (b) exceptional
- (c) inadept
- (d) clumsy

4. He is diligent in submitting assignments.

- (a) dilly-dallying
- (b) procrastinating
- (c) intelligent
- (d) conscientious

5. He appears to be reticent.

- (a) expansive
- (b) jolly
- (c) silent
- (d) withdrawn

6. He is always jovial.

- (a) cheerful
- (b) callous
- (c) garrulous
- (d) credulous

7. Mohan remains morose these days.

- (a) introspective
- (b) generous
- (c) chirpy
- (d) sullen

8. He was a reluctant learner.

- (a) enthusiastic
- (b) eager
- (c) unwilling
- (d) fearful

9. Amit is optimistic about the prospects of his investments.

- (a) pessimistic
- (b) uncaring
- (c) carefree
- (d) sanguine

10. Sachin is very cooperative by nature.

- (a) complaisant
- (b) covert
- (c) complacent
- (d) conniving

ANTONYMS

Directions: Each item in this section consists of a sentence with an underlined word followed by four words (a), (b), (c) and (d). Select the option that is opposite in meaning to the underlined word and mark your response in your Answer Sheet accordingly.

11.	He	is	essentially	а	crude	person.
			- Jointially	а	crude	bergour

- (a) coarse
- (b) refined
- (c) eager
- (d) balanced

12. His confidence is high.

- (a) diffidence
- (b) eagerness
- (c) steadfastness
- (d) endurance

13. His integrity is noticed.

- (a) skilfulness
- (b) ability
- (c) dependability
- (d) dishonesty

14. She is a benevolent individual.

- (a) clever
- (b) muddled
- (c) malevolent
- (d) ambivalent

15. His sartorial manner is judged.

- (a) unstylish
- (b) uncompromising
- (c) common
- (d) crude

16. This piece of art is authentic.

- (a) genuine
- (b) expensive
- (c) rare
- (d) fake the one bowers trail over

17. The deluge affected the population.

- (a) cloudburst
- (b) drought
- (c) deforestation
- (d) drizzle

18. His dedication is known to all.

- (a) clarity
- (b) hostility
- (c) apathy
- (d) anger and sign of the state of the state

19. His perspicacity was remarkable.

- (a) smartness
- (b) dullness
- (c) dedication
- (d) deviousness

20. He has a penchant for spicy food.

- (a) tendency
- (b) affinity
- (c) fear
- (d) dislike

SPOTTING ERRORS

Directions: Each item in this section has a sentence with three underlined parts labelled (a), and (c). Read each sentence to determine whether there is any error in any underlined part an indicate your response in the Answer Sheet against the corresponding letter, i.e., (a) or (b) or (c) If you find no error, your response should be indicated as (d).

21. A company of five thousand soldiers,

(a) having marched tirelessly for over five days,

(b)

have just moved into their cantonment.

(c)

No error
(d)

22. Every person who believes in principles must stand up to fight

(a) (b)

for their convictions. No error (d)

23. The Olympic Games reflects the highest spirit of (b)

 $\frac{\text{human endeavour and achievement.}}{\text{(c)}} \qquad \frac{\text{No error}}{\text{(d)}}$

24. The principal of the school
(a)

stressed the need for discipline
(b)

amongst the students.
(c)

A THE TREE LAND ASSESSED.

 $\frac{\text{No error}}{(d)}$

25. Failure is the stepping stone to success; however, successive failures are not successive stepping stones to success. No error (d) 26. India's strengths are its diversity of culture and (a) (b) No error the spirit of tolerance in it's people. (d) Pluto is today listed as the 27. Once considered ninth planet of the solar system, largest dwarf planet of the solar system. No error 28. The greatest glory in life is to be able to realize ones dreams and ambitions without trampling on those of others. No error (d) (c) de your tend out discount anger is a reflection of an individual's 29. To be able to manage one's (a) psychological maturity. No error very different fro 30. A honest mistake is no more than that; just an honest mistake. No error

IDIOMS AND PHRASES

pirections: Given below are some idioms/phrases followed by four alternative meanings to Choose the most appropriate answer from among the options (a), (b), (c) and (d).

- 31. Counting your chickens
 - (a) confident of success
 - (b) greedily accumulating wealth
 - (c) being careful about spending money
 - (d) getting scared because of danger
- 32. The icing on the cake
 - (a) baked food that is delicate and delicious with a topping
 - (b) extra benefit over and above an already good deal
 - (c) getting what you asked for
 - (d) more than what is needed
- 33. A stitch in time
 - (a) tailoring one's efforts efficiently
 - (b) making an effort to succeed
 - (c) inability to take timely decision
 - (d) timely action that prevents negative outcome
 - 34. At sixes and sevens
 - (a) on top of the situation
 - (b) state of denial
 - (c) state of total confusion
 - (d) well-planned and prepared
 - 35. Talking twenty to the dozen
 - (a) talking hurriedly and rapidly
 - (b) talking too much
 - talking without making sense
 - (d) talking out of turn

- 36. Under the weather
 - (a) walking in the rain
 - controlled by the elements
 - browbeaten by the heat
 - (d) unwell
- 37. To sit on the fence
 - (a) to act promptly
 - (b) to be lazy
 - (c) to be undecided
 - (d) to sit without doing anything
- 38. Once in a blue moon
 - (a) romantic moment
 - (b) occasionally
 - (c) rarely
 - (d) often
- 39. Through thick and thin
 - (a) in genuine friendship
 - (b) through the best of everything
 - among people both fat and slim
 - (d) through difficult times
- 40. Like chalk and cheese
 - (a) very different from each other
 - (b) without any blemish
 - (c) pure white in colour
 - (d) very like each other

ORDERING OF WORDS IN A SENTENCE

Directions: Each of the following items in this section consists of a sentence, the parts of which have been jumbled. These parts have been labelled P, Q, R and S. Given below each sentence are four sequences namely (a), (b), (c) and (d). You are required to rearrange the jumbled parts of the sentence and mark your response accordingly.

		P		s are many ways of dealing.
with	them wit	thout excessive	SAMO (1)	with intransigent customers
		R R I I III	h the saw and hah	S S
The	correct	sequence shou	ld ba	
(a)		dilling the guiltip		Offitti
(c)	PSQR	3	(0)	QSPR RSQP
2. in th	ne years	following In	ndia achieved remai	rkable economic development
	P	- /	STALK LIN	Q
liber	alization	in the year 19	91 the landman	rk reforms inaugurated via
	4. 17	R	- Property	S S
TWIN THE PARTY		sequence shou	ald be	
(a) (c)	the way were	8	(b)	PRSQ QPSR
(a)	PQRS	S C C C C C C C C C C C C C C C C C C C	(b)	PRSQ
(a) (c)	PQRS SPRQ	E Sangaran and the sang	(b) (d)	PRSQ QPSR
(a) (c)	PQRS SPRQ	ory secured by	(b)	PRSQ QPSR
(a) (c) 43. was	PQRS SPRQ the vict	ory secured by	(b) (d) the women's hocke	PRSQ QPSR
(a) (c) 43. was	PQRS SPRQ the vict	ory secured by	(b) (d) the women's hocke	PRSQ QPSR
(a) (c) 43. was	PQRS SPRQ the vict	ory secured by P tralia in the To	(b) (d) the women's hocke	PRSQ QPSR in the arena of sport, perha
(a) (c) 43. was	PQRS SPRQ the vict	ory secured by P tralia in the To	(b) (d) the women's hocke	PRSQ QPSR in the arena of sport, perha
(a) (c) 43. was againg the	PQRS SPRQ the victorianst Aust	ory secured by P tralia in the To R moment in Inc	(b) (d) the women's hocke kyo Olympics lian Olympic history	PRSQ QPSR in the arena of sport, perha
(a) (c) 43. was againg the	PQRS SPRQ the victorians Aust	ory secured by P tralia in the To R moment in Inc	(b) (d) the women's hocke kyo Olympics lian Olympic history	PRSQ QPSR In the arena of sport, perha Q

P	-	Q			
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which are the two major determinants	econ	omic prog		letermined	
R			0 3 18 5		
The correct sequence should be					
(a) SQRP	(b)	RPQS			
(c) SPRQ	(d)	QRPS			
Tables of each to speciments of the	noite	control to a		stancia maje	
with the aplomb of a stage artist, the	nat they	are not m	en of st	raw	
P		Q	504		
they can twist and shake their wobbly l	haada	od bit		With a House	3.5
R	licaus	mesmen	zing the	gullible into b	en
				3	
The correct sequence should be					
(a) PRQS	(b)	RPSQ			
(c) SPQR	(d)	QRPS			
	(d)	QRPS		C C	
16. of its rain-soaked verdure and on the				er sugaranaka	
				er an grade de la companya de la com	
P and on the P	he other	there are	facts of :	e de la companya de l	
16. of its rain-soaked verdure and on the	he other	there are	facts of i	ts visible mode	rio
on the one hand there is the immense R	he other	there are	facts of i	ts visible mode	rn
on the one hand there is the immense R The correct sequence should be	ne other Q beauty	there are	facts of i		00
on the one hand there is the immense R The correct sequence should be (a) PRQS	Q beauty	there are the artif	facts of i		m
on the one hand there is the immense R The correct sequence should be	Q beauty	there are	facts of i		m
on the one hand there is the immense R The correct sequence should be (a) PRQS (c) SPQR	de other Q beauty (b) (d)	there are the artis	facts of i		110
on the one hand there is the immense R The correct sequence should be (a) PRQS (c) SPQR	dbeauty (b) (d)	there are the artis	facts of i		m
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The correct sequence should be

- (a) RPQS
- (b) QRSP
- (c) RSQP
- (d) QPSR

The correct sequence should be

- (a) RQPS
- (b) QRSP
- (c) RSQP
- (d) QPSR

The correct sequence should be

- (a) RQPS
- (b) SRQP
- (c) RSQP
- (d) QPRS

PART—B

- 51. Which one of the following reactions is an example of decomposition reaction?
 - (a) $CH_4(g) + 2O_2(g) \rightarrow CO_2(g) + 2H_2O(g)$
 - (b) $2AgCl(s) \xrightarrow{Sunlight} 2Ag(s) + Cl_2(g)$
 - (c) $CuO + H_2 \xrightarrow{Heat} Cu + H_2O$
 - (d) $Fe(s) + CuSO_4(aq) \rightarrow$ FcSO4 (aq) + Cu(s)
- 52. Which one of the following is the action of mcchanism of contraceptive pills?
 - (a) They kill the egg.
 - They kill the sperm. (b)
 - (c) They kill the zygote.
 - (d) They inhibit the release of egg.
- 53. Which one of the following plants has unisexual flowers?
 - (a) Papaya
 - (b) Hibiscus
 - (c) Mustard
 - (d) Sunflower
- 54. A cell is unable to synthesize lipids. Which of its cell organelles might be defective?
 - (a) Smooth endoplasmic reticulum
 - (b) Golgi bodies
 - (c) Lysosomes
 - (d) Mitochondria

- 55. All objects experience a buoyancy when they are immersed in a fluid. Buoyancy is
 - (a) a downward force
 - (b) a downward pressure
 - (c) an upward force
 - (d) an upward pressure
- 56. According to Fleming's right-hand rule, if the forefinger indicates the direction of magnetic field and thumb shows the direction of motion of conductor, then the stretched middle finger will predict the direction of
 - (a) force acting on the conductor
 - (b) electric field
 - (c) induced current
 - (d) current
- 57. Two resistors R_1 and R_2 arranged in parallel combination in an electrical closed circuit are made of the same material and of same thickness. If the length of R_2 is twice the length of R_1 , then the total resistance R satisfies
- (a) $3R = 2R_1$
- (b) $3R = 2R_2$
 - (c) $2R = 3R_1$
 - (d) $2R = 3R_2$
 - 58. What is the magnification produced by a concave lens of focal length 10 cm, when an image is formed at a distance of 5 cm from the lens?
 - (a) 2·0
 - (b) 1.0
 - (c) 0.5
 - (d) 0-33

[P.T.O.

- 59. A wooden box of mass 2 kg and dimensions (30 cm × 15 cm × 10 cm) is placed on a table with sides 30 cm and 10 cm touching the tabletop. Which one of the following is the approximate pressure exerted on the table?
 - (a) 111·1 N/m²
 - (b) 222.2 N/m^2
 - (c) 333.3 N/m^2
 - (d) 666.6 N/m^2
- 60. Why are the tyres of aircrafts made of conducting rubber?
- 1. So that the charge accumulated on the aircraft in flight, by rubbing the air, can easily be transferred to ground on landing.
- 2. So that the charge accumulated due to the operation of various electronic equipments in the aircraft in flight can easily be transferred to ground on landing.

tample pass (p)

- (a) 1 only
- (b) 2 only and pour stand
- (c) Both 1 and 2
- (d) Neither 1 nor 21 (b)

- Arthashastra, the classical work of Indian political thought, focuses primarily on
 - (a) economy
 - (b) culture
 - (c) statecraft
 - (d) monarchy
 - 62. When did Charaka Samhita originate?
 - (a) 6th Century BCE
 - (b) 3rd to 2nd Century BCE
 - (c) 4th Century BCE
 - (d) 5th Century BCE
 - 63. Early Buddhist sculptors did not show Buddha in human form. Through which of the following symbols was Buddha's presence shown by the early sculptors?
 - (a) Empty Seat and Stupa only
 - (b) Wheel and Tree only
 - (c) Wheel, Tree and Stupa only
 - (d) Empty Seat, Wheel, Tree and Stupa

- 64. The Parliament of India is primarily based on the model of
 - (a) German Parliament
 - (b) British Parliament
 - (c) American Congress
 - (d) French Parliament
- 65. Who among the following had the shortest span in office as the Prime Minister of India?
 - (a) Lal Bahadur Shastri
 - (b) Chaudhary Charan Singh
 - (c) Chandra Shekhar
 - (d) H. D. Deve Gowda
- 66. Which one of the following does not fall under the jurisdiction of the apex court of India?
 - (a) Original Jurisdiction
 - (b) Appellate Jurisdiction
 - (c) Collegiate Jurisdiction
 - (d) Advisory Jurisdiction

- Or. According to the Indian Meteorological
 Department, which of the following
 is/are the feature/features of
 cloudburst?
- 1. Heavy precipitation in short period of time in a limited geographical area
 - 2. It occurs generally during monsoon period and triggers flash flood and landslides

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- 68. In a group discussion on shape and size of the Earth, three students stated the following points:
- 1. Student 1: The shape of the Earth is basically an oblate spheroid.
 - Student 2: The polar diameter of the Earth is more than the equatorial diameter.
 - Student 3 : Bulge along the equatorial region is due to revolution of the Earth.

Who among the above students is/are correct?

- (a) Student 1 only
- (b) Student 1 and Student 2 only
- (c) Student 2 and Student 3 only
- Student 3 Student 2 and

- 69. While watching news, you hear about a place, of which you had never heard earlier. You want to know more about the place and you want to locate it on the map. Which of the following is/are required for you to be able to locate the place on the map?
 - (a) Only latitude of the place
 - (b) Only longitude of the place
 - (c) Both longitude and latitude of the place
 - (d) Latitude, longitude and altitude of the place
- 70. Which one of the following statements with respect to Global Positioning System (GPS) is *not* correct?
 - (a) It is based on network of satellites orbiting above the Earth.
 - (b) It is based on the system of triangulation.
 - (c) GPS receivers provide location in terms of latitude, longitude and altitude.
 - (d) It provides information exclusively for military operations.

- 71. What is the mass of a material, whose specific heat capacity is 400 J/(kg °C) for a rise in temperature from 15 °C to 25 °C, when heat received is 20 kJ?
 - (a) 0.1 kg
 - (b) 1 kg
 - (c) 10 kg
 - (d) 5 kg
- 72. The specific latent heat of vaporization of a substance is the quantity of heat needed to change unit mass from
 - (a) liquid to vapour with a change of temperature
 - (b) liquid to vapour without a change of temperature
 - (c) vapour to liquid without a change of temperature
 - (d) vapour to liquid with a change of temperature
 - 73. Evaporation from the surface of a given liquid takes place more rapidly when
 - (a) the temperature is high and the surface area of the liquid is large
 - (b) the temperature is low and the surface area of the liquid is large
 - (c) the temperature is low and the surface area of the liquid is small
 - (d) the temperature is high and the surface area of the liquid is small

- 74. Which of the following statements correctly explains/explain the existence of a positive force between two electric charges?
 - 1. Both the charges are positive.
 - 2. Both the charges are negative.
 - 3. Both the charges are oppositely charged.

- (a) 1 only
- (b) 2 only
- (c) 1 and 2 only
- (d) 1, 2 and 3
- 75. An electric wire of resistance 50 ohm is cut into five equal wires. These wires are then connected in parallel. What is the equivalent resistance of this combination?

O WOON SHEME

- (a) 2 ohm
- (b) 10 ohm 19216 (file 10 PFF (d)
- (c) 0.5 ohm
- (d) 5 ohm (1986) (a)

- 76. The electric field lines from an isolated positively charged conducting sphere are
 - (a) tangential to the conducting surface
 - (b) at right angles to the conducting surface and towards the centre of the sphere
 - (c) at any angle to the conducting surface
- (d) at right angles to the conducting surface and outwards from the centre of the sphere
- 77. Which one of the following is **not** a solution?

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- (a) Alloy
- (b) Milk
- (c) Air
- (d) Sugar
- 78. Refining of petroleum is carried out using which one of the following techniques?
 - (a) Evaporation
 - (b) Fractional distillation
 - (c) Separating funnel
 - (d) Sublimation

- 79. Which one of the following is a chemical change?
 - (a) Dissolving sugar in water
 - (b) Melting of ice
 - (c) Crystallization
 - (d) Milk turning sour
- 80. Which one of the following is the correct molecular formula of ammonium carbonate if the valency of ammonium ion is (+1) and carbonate anion is (-2)?
 - (a) (NH₄)₂CO₃
 - (b) NH₄(CO₃)₂
 - (c) $(NH_3)_2CO_3$
 - (d) NH₄CO₃
- 1. Which one of the following is a covalent compound?

E G (in)

- (a) Calcium oxide
- (b) Sodium nitride
- (c) Silicon carbide
- (d) Zinc sulphide

- 82. The mass number of argon is 40. Which one of the following statements is correct?
 - (a) The number of protons in argon is 22.
 - (b) The number of neutrons in argon is 18.
 - (c) The number of electrons in argon is 18.
- (d) The sum of numbers of protons and electrons in argon is 40.
- 83. Which one of the following is the correct order of the valencies of elements Ne, Si, N and Mg?
 - (a) Ne < Mg < N < Si
 - (b) Si < N < Mg < Ne
 - (c) Ne < N < Si < Mg
 - (d) Mg < Ne < N < Si
- 84. The frequency of an alternating current is 3 Hz. It implies that

87. दिसा विक्तुवाही को तह हारा तह से बाहा किसी बिन्हु या उच्छ बंगडीय देश किस वह निर्मेश करता है।

- (a) there are 6 cycles/s
- (b) there are 3 cycles/s
- (c) there are 2 cycles/s
 - (d) there is only 1 cycle/s

- 35. Which one of the following correctly represents the BI unit of resistivity?
 - (a) Ω
 - (b) Ω/m
 - (c) Ω cm
 - (d) Ω m
- 86. What is the current required to light a 60 W incandescent bulb in a domestic supply of 240 V?
 - (a) 0.5 A
 - (b) 0.25 A
 - (c) 1.0 A
 - (d) 5.0 A
- 87. The magnetic field produced by a current-carrying straight wire at a point outside the wire depends
 - (a) inversely on the distance from it
 - (b) directly on the distance from it
 - (c) inversely at short distances and directly at large distances from it
 - (d) directly on the distance (at short distances) and inversely on the distance (at long distances) from it

- 88. What is the dimension of gravitational constant?
 - (a) ML^3T^{-2}
 - (b) $M^{-1}L^3T^{-2}$
 - (c) $M^2L^{-2}T^{-2}$
 - (d) $M^2L^{-1}T^{-2}$
 - 89. A ball is thrown vertically upward with a speed of 40 m/s. The time taken by the ball to reach the maximum height would be approximately
 - (a) 2 s
 - (b) 3 s
 - (c) 4 s
 - (d) 5 s
 - 90. The time period of a 1 m long pendulum approximates to
 - (a) 6 s
 - (b) 4 B
 - (c) 2 B
 - (d) 1 s

- on The forests of Uttarakhand, Kullu Valley in Himachal Pradesh and Dzukou Valley in Nagaland and Manipur were in the news on account of which one of the following reasons?
 - (a) Deforestation
 - (b) Forest fire
 - (c) Poaching of wild animals
 - (d) Illegal mining
- 92. Which one of the following is correct in respect of total number of States and Union Territories in India?

अबार. अवर्ति एमाई वृहते किस ततीत निभारत निर्मा है। वह

- (a) 28 States and 8 Union Territories
- (b) 27 States and 9 Union Territories
- (c) 30 States and 6 Union Territories
- (d) 29 States and 7 Union Territories
- 93. Snow, sleet and hail are the forms of

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- (a) precipitation
- (b) condensation the state of
- (c) transpiration
- (d) evaporation

- 94. Which one of the following is likely to be the most prevalent form of weathering in hot-tropical desert areas?
 - (a) Mechanical
 - (b) Chemical
 - (c) Biological
 - (d) Leaching
- 95. Which one of the following cities was the first to attain the status of a 'megacity?
 - (a) London
 - (b) Paris
 - (c) New York
 - (d) Washington
 - 96. In India, rigid and stable elevated lands, denuded rocks and series of scarps are the features of which of the following?
 - (a) Northern mountains
 - (b) Peninsular plateau
 - (c) Northern plains
 - (d) Coastal plains
- 97. A person had visited a region in India and found trees, such as Khair, Neem, Khejri and Palas. Which one of the following regions is she/he expected to have visited?
 - (a) Malabar Coast
 - (b) Garo Hills
 - (c) Sunderban Delta
 - (d) Desert Region

98. Consider the following statements:

- Rocks do not remain in their 1. original form for long and undergo transformation.
- Transformation of rocks is caused 2. weathering, erosion metamorphic action.

Which of the statements given above is/are correct? त्रा) स्रोतान स्थात व हि १००

- (a) 1 only
- (b) 2 only (smelans)
- (c) Both 1 and 2
- (d) Neither 1 nor 2
- 99. Weathering, mass wasting, erosion and transportation are indicators of which one of the following processes?

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- (a) Denudation
- WEEK O (b) Endogenetic process
- (c) Diastrophism
- (e) 26 KHA (d) Mountain building
- 100. If you want to observe moraines, eskers and outwash plains, which one of the following Union Territories you may have to visit?
 - (a) Andaman and Nicobar Islands
 - (b) Lakshadweep File [5]
 - (c) Puducherry
 - (d) Ladakh

- 101. Legendary Kathak dancer Pandit Birju Maharaj died recently. He was the doyen of which one of the following Gharanas of Kathak?
 - (a) Jaipur
 - (b) Raigarh
 - Lucknow
 - (d) Banaras
 - 102. In a first, India is to export BrahMos missile to
 - (a) Bhutan
 - (b) Philippines
 - Maldives
 - (d) Nepal
 - 103. Who among the following is the Head of the Committee appointed by the Supreme Court of India to enquire into the circumstances that led to the Prime Minister of India's convoy being stuck for several minutes on a flyover in Punjab recently?

आसीर असा की

- (a) Justice Indu Malhotra
- (b) Justice Ashok Bhushan
- (c) Justice Navin Sinha
- (d) Justice Rohinton Fali Nariman

- 104. Who among the following retired from test cricket by bagging a wicket on the last ball of his career?
 - (a) AB de Villiers
 - (b) Michael Hussey
 - (c) Quinton de Kock
 - (d) Ross Taylor
- 105. Who among the following is appointed as the tenth Chairman of the Indian Space Research Organization (ISRO) recently?

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ता स्वराध्या

- (a) A. S. Kiran Kumar
- (b) K. Sivan
- (c) K. Radhakrishnan
- (d) S. Somanath
- 106. According to the Forest Survey Report, 2021, area-wise which one of the following States has the largest forest cover in India?
 - (a) Odisha
 - (b) Madhya Pradesh
 - (c) Arunachal Pradesh
 - (d) Chhattisgarh

- 107. Who among the following is the Chairperson of the Goods and Services Tax Council?
 - (a) The Prime Minister of India
 - (b) The Union Finance Minister
 - (c) The Speaker of the Lok Sabha
 - (d) The President of India
 - 108. The International Union for Conservation of Nature (IUCN) has recently categorized the Red Sanders (Red Sandalwood) into
 - (a) deficient category
 - (b) endangered category
 - (c) near-threatened category
 - (d) critically endangered category
 - 109. The Government of India has decided to observe 'Veer Baal Diwas' on
 - (a) 6th October
 - (b) 26th November
 - (c) 26th December
 - (d) 6th December
 - 110. On 14th January, 2022, which one of the following ministries has organized a global Surya Namaskar Demonstration programme?
 - (a) The Ministry of Culture
 - (b) The Ministry of AYUSH
 - (c) The Ministry of Health and Family Welfare
 - (d) The Ministry of Tourism

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113. जिल्ली के क्रिक्ट वर्ष वर्ष रेसबाचे (चैत्रवर्भते)

- (a) The Ministry of Culture
 - (b) The Ministry of AYUSH
- (c) The Ministry of Health and Family Welfare
 - (d) The Ministry of Tourism

- 111. Which of the following statements about living and non-living being is/are correct?
 - 1. While living being can demonstrate growth and repair, non-living being cannot.
 - 2. While living being demonstrates metabolic processes, non-living being does not.

- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
- 112. Which one of the following plant plastids stores starch, oil and protein granules?
- (a) Chloroplast
 - (b) Leucoplast
 - (c) Chromoplast (b)
 - (d) Xanthoplast
- 113. Which one of the following statements about 'vacuoles' is **not** correct?
 - (a) In plants, there is a large central vacuole that may occupy 90% of total cell volume.
 - (b) In plant cells, vacuoles provide turgidity and rigidity.
 - (c) In Amoeba, vacuoles have role in nutrition.
 - (d) Vacuoles are absent in animal cells.

- 114. In aquatic plants, large air sacs give them buoyancy effects. These sacs are surrounded by which one of the following types of tissues?
 - (a) Parenchyma
 - (b) Collenchyma
 - (c) Sclerenchyma
 - (d) Complex tissue
- 115. Which one of the following belongs to Pisces?
 - (a) Dogfish
 - (b) Jellyfish
- (c) Silverfish
 - (d) Starfish
- 116. Which one of the following groups is called 'amphibians of plant kingdom'?

मार्ट किसी सदार अ को तस्त्र विस्थान के प्रतिनयास

- (a) Bryophytes
- (b) Thallophytes
- (c) Pteridophytes
- (d) Gymnosperms

- 117. Which one of the following is caused by a bacterial pathogen?
 - (a) AIDS
 - (b) Dengue fever
 - (c) COVID-19
 - (d) Typhoid fever
- 118. The twinkling of a star is due to the atmospheric
 - (a) diffraction of starlight
 - (b) reflection of starlight
 - (c) refraction of starlight
 - (d) dispersion of starlight
- 119. A mass M is dragged by a pulley on a horizontal plane by a force anti-parallel to its displacement. The work done in pulling the mass M is
 - (a) zero
 - (b) positive
 - (c) infinite
 - (d) negative

- 120. A 5 N force is defined when a mass of 10 kg is accelerated with
 - (a) 5.0 cm/s^2
 - (b) 0.5 m/s^2
 - (c) 0.5 cm/s^2
 - (d) 5.0 m/s^2
- 121. A boy of mass 52 kg jumps with a horizontal velocity of 2 m/s onto a stationary cart of mass 3 kg. The cart is fixed with frictionless wheels. Which one of the following would be the speed of the cart?
 - (a) 2·15 m/s
 - (b) 1.89 m/s
 - (c) 1.51 m/s
 - (d) 2.51 m/s
- 122. The energy possessed by a body due to its change in position or shape is called
 - (a) thermal energy
 - (b) potential energy
 - (c) kinetic energy
 - (d) electric energy
- 123. A sound wave has a frequency of 1 kHz and wavelength 50 cm. How long will it take to travel 1 km?
 - (a) 5 s
 - (b) 4 s
 - (c) 3 s
 - (d) 2 s

- 124. For an element with atomic number 35, which one of the following will be the correct number of electrons in its valence shell based on Bohr's model of an atom?
 - (a) 1
 - (b) 3
 - (c) 5
 - (d) 7
 - 125. Which one of the following is **not** an example of a redox reaction?
 - (a) $AlCl_3 + 3H_2O \rightarrow Al(OH)_3 + 3HCl$
 - (b) $2\text{NaH} \rightarrow 2\text{Na} + \text{H}_2$
 - (c) $4\text{Fe} + 3\text{O}_2 \rightarrow 2\text{Fe}_2\text{O}_3$
 - (d) $CuSO_4 + Zn \rightarrow Cu + ZnSO_4$
 - **126.** Which one of the following allotropes of carbon is isomorphous with crystalline silicon?
 - (a) Coke
 - (b) Diamond
 - (c) Graphite
 - (d) Coal
 - 127. Which one of the following is the colour of hydrogen gas?

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- (a) Light yellow
- (b) Orange
- (c) Black
- (d) Colourless 4 7 8 8 9 (h)

- 128. Which one of the following is not a pigment?
 - (a) Zinc oxide
 - (b) Chalk
 - (c) White lead
 - (d) Silica
- 129. Which one of the following statements about fertilizers is not correct?
- (a) Urea is a phosphorus-containing fertilizer.
 - (b) Application of fertilizer to the soil increases fertility of the soil.
 - (c) Urea can be prepared by action of ammonia and carbon dioxide under high pressure and at high temperature.
 - (d) Urea contains more nitrogen than other fertilizers.
- 130. Which one of the following statements is not correct?
 - (a) Most carbon compounds are good conductors of electricity.
 - (b) Bonding in organic compounds is covalent.
 - (c) Graphite is used as a lubricant.
 - (d) Diamond is an allotrope of carbon.

- 131. Which one of the following is **not** a Constitutional Commission of India?
 - (a) The National Commission for Scheduled Castes
 - (b) The National Commission for Scheduled Tribes
 - (c) The National Commission for Backward Classes
 - (d) The National Commission for Women
- 132. Which Chinese traveller in ancient India wrote the diary called Records of the Travels to Middle India?
 - (a) Wang Xuance
 - (b) Xuanzang
 - (c) Yijing
 - (d) Li Yibiao
- 133. The elections to the Lower House of the Parliament of India, held in 2019, constituted the
 - (a) 14th Lok Sabha

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- (b) 15th Lok Sabha
- (c) 16th Lok Sabha
- (d) 17th Lok Sabha

- 134. Panchayati Raj Institutions are primarily the institutions of
 - (a) Popular Government
 - (b) Self-Government
 - (c) Federal Government
 - (d) Quasi-Government
- 135. Which of the following is/are the right/ rights mentioned in the 'American Declaration of Independence'?
 - 1. Life
 - 2. Liberty Street S
 - 3. Pursuit of Happiness
 - 4. Fraternity

Select the correct answer using the code given below.

(त) केवार 2-गा

- (a) 1 only
- (b) 1 and 2 only
- (c) 1, 2 and 3
- (d) 2, 3 and 4 8 ms (b)

- Presidents described democracy as "Government of the People, for the People and by the People"?
 - (a) Abraham Lincoln
 - (b) Thomas Jefferson
 - (c) George Washington
 - (d) John F. Kennedy
- 137. Inhabitants are unaware of the speed of rotation of the planet Earth because
 - the angular velocity is constant for each place on the Earth's surface
 - 2. the atmosphere rotates with the Earth
 - 3. there are no nearby objects, either stationary or moving at a rate different from that of the Earth

Which of the above is/are the correct explanation(s)?

- (a) 1 only
- (b) 1 and 2 only 1807 1855 (d)
- (c) 2 and 3 only 15 6 5 5 5
- (d) 1, 2 and 3 (195) (1914)

- 138. While travelling to a hilly region, you notice a massive boulder, which was loosened by heavy rains and moved downhill. This has resulted due to which of the following processes?
 - 1. Mass wasting
 - 2. Erosion
 - 3. Weathering

Select the correct answer using the code given below.

- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3
- **139.** Which of the following statements in respect of landslides are correct?
 - 1. These occur only on gentle slopes during rain.
 - 2. They generally occur in clay-rich soil.
 - 3. Earthquakes trigger landslides.

Select the correct answer using the code given below.

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

- 140. Consider the following features about a geographical phenomenon:
 - 1. Torrents of snow and ice roaring down a steep mountain side
 - 2. It is hazardous to skiers and mountaineers
 - 3. It involves a mix of falling, rolling, sliding and flowing of materials

Which of the following phenomena can be identified with the above features?

- (a) Slump and earthflow
- (b) Avalanche
- (c) Landslide
- (d) Rockslide
- 141. The real beginning of western education in India can be dated from
 - (a) the Charter Act of 1813
 - (b) the Charter Act of 1793
 - (c) the Sarda Act of 1929
 - (d) the Macaulay's Minute on Indian Education, 1835

- 142. The term 'Industrial Revolution' was first used by
 - (a) J. A. Blanqui
 - (b) T. S. Ashton
 - (c) Arnold Toynbee
 - (d) R. H. Tawney
- 143. The Khudai Khidmatgar (Servants of the God) was organized by
 - (a) Mahatma Gandhi
 - (b) Khan Abdul Ghaffar Khan
 - (c) M. A. Jinnah
 - (d) M. M. Malaviya
- 144. The Mahad Satyagraha of 1927 was organized by
 - (a) B. R. Ambedkar
 - (b) Mahatma Gandhi
 - (c) S. C. Bose
 - (d) Lokmanya Tilak

145.	The Satyashodhak Samaj	(Truth-Seeking	
	Society) was set up by	() ~	

- (a) Vinoba Bhave
- (b) Jyotiba Phule
- (c) B. R. Ambedkar
- (d) C. Rajagopalachari

146. The 13th Century text Lekhapaddhati gives us information on which one of the following topics?

- (a) Art of writing
- (b) Essay writing
- (c) Legal document
- (d) Epigraphic style

147. Nkrumah was one of the five leaders, who comprised the core of the Non-Aligned Movement (NAM). He was the leader of which country in Africa?

- (a) Nigeria
- (b) Kenya
- (c) Uganda
- (d) Ghana

148. The idea of Planning in Independent India was drawn from

- (a) the Bombay Plan
- (b) the demand made by peasants
- (c) the demand made by workers' unions
- (d) the Gandhian vision of India's future

149. Nisarga, Gati, Nivar, Tauktae and Yaas are names of

- (a) new fighter aircrafts
- (b) tourist places
- (c) weather stations
- (d) cyclones

150. Which one of the following States/UTs was connected with the Indian Railways network in the year 2021?

- (a) Mizoram
- (b) Ladakh
- (c) Manipur
- (d) Sikkim