- 1. What is a 'black hole' in astronomy?
 - (A) A black object in our solar system
- (B) A cosmic body of extremely intense a cosnic intense gravity from which nothing, not even
- (C) A cosmic body with no gravitational
- A black planet (D)
- 2. The earth rotates around its axis from
 - East to West (A)
 - West to East BY
 - Northeast to Southwest
 - Southeast to Northwest
- 3. The Angami tribe is domicile of which Indian State?
 - Arunachal Pradesh (A)
 - (B) Tripura
 - (C) Sikkim
- Nagaland
- 4. On the bank of which river, the Greek Emperor Alexander the Great fought with King Porus?
 - (A) Jhelum
 - Chenab (B)
 - (C) Ravi
 - (D) Beas
- 5. Which of the following plays was not written by Kalidasa?
 - Abhijnanashakuntalam (A)
 - Vikramorvasiyam (B)
 - Svapnavasavadattam 154
 - Malavikagnimitram (D)

- 6. During whose rule was the Grand Trunk
- (A) Sher Shah Suri
 - (B) litutmish
 - (C) Alauddin Khalji
 - (D) Muhammad bin-Tughluq
- 7. Where was the head office of Indian National Army or Azad Hind Pauz located?
 - (A) Tokyo
 - (B) Berlin
 - Rangoon
 - (D) Kuala Lumpur
- 8. What was the original name of Swami Vivekananda?
 - (A) Bankim Chandra Chattapadhyay
 - Narendranath Datta
 - Chittaranjan Das
 - (D) Rash Behari Bose
- 9. Dandi March was led by
 - (A) Mahatma Gandhi
 - Pandit Jawaharlal Nehru
 - Madan Mohan Malaviya
 - (D) Bal Gangadhar Tilak
- 10. Which of the following is the classical dance of Andhra Pradesh?
 - Kathakali (A)
 - Bharatanatyam X (B)
 - Mohiniyattam x
 - (D) Kuchipudi

- 11. Who among the following is known as the Father of the Indian Constitution?
 - (A) B. N. Rao
 - (B) Alladi Krishnaswami Ayyar

TJET Dr. B. R. Ambedkar

- (D) Maulana Abul Kalam Azad
- 12. The Chief Justice of a High Court is appointed by

(A) the President of India

- (B) the Chief Justice of the Supreme Court of India
- (C) the Prime Minister's Office
- (D) the Governor of the concerned State
- 13. Which of the following is an indigenously built light combat aircraft of India?
 - (A) Akash
 - (B) Gnat
 - (C) Mirage
 - JDY Tejas
- 14. What is the full form of DRDO?
 - (A) Defence Research and Delivery Organization
 - (B) Development Research and Defence Organization
 - (C) Defence Research and Development Organization
 - (D) Defence Research and Delivery Observatory
- 15. Which was the first artificial satellite to be sent to the space by any country?
 - (A) Pioneer
 - (B) Luna I
 - (C) Apollo I
 - Sputnik I

16. Who was the first Indian woman to scale
Mount Everest?

21.

- (A) Premlata Agarwal
- (B) Arunima Sinha

Bachendri Pal

- (D) Shivangi Pathak
- 17. When is the World AIDS Day' observed?
 - (A) 2nd November
 - (B) 1st December
 - (C) 16th September

(D) 11th December

- 18. The French Open is the tournament played for which of the following sports?
 - (A) Volleyball
 - (B) Hockey

Lawn tennis

- (D) Badminton
- 19. What is the capital of Pakistan?
 - (A) Rawalpindi

Islamabad

- (C) Lahore
- (D) Karachi 🤊
- 20. What is the official currency of Japan?
 - (A) Won hat research and the

(B) Yen

- (C) Yuan
- (D) Dollar

- The process of conversion of sugar to 21. alcohol by the microorganism yeast is

 - decomposition (B)
 - fermentation (e)
 - phosphorylation
- 22. What does our body produce to fight the invader when a disease-causing microbe
 - Antigen (A)

oserred)

maner

Sports)

- Antibody
- (C) Albumin
- (D) Antibiotic
- 23. Microbial diseases that can spread from an infected person to a healthy person through air, water, food or physical contact are called
 - communicable diseases
 - non-communicable diseases
 - autoimmune diseases
 - (D) None of the above
- 24. Which of the following materials is non-biodegradable?
 - (A) Paper
 - Cloth
 - (C) Wood
- Plastic bags
- 25. The property of metals by which they can be beaten into thin sheets is called
 - malleability
 - (B) ductility
 - (C) conductivity
 - (D) elasticity

- 26. The green coloured plastids present in
 - (A) golgi-body
 - (B) chloroplast
 - (C) chlorophyll
 - (D) lysosome
- Fallopian tubes are the parts of which of
 - (A) Flowers
 - (B) Kidneys
 - Female reproductive system 100
 - Male reproductive system
- 28. When two or more reactants react with each other to form a single product, it is called
 - (A) oxidation reaction
 - reduction reaction
 - decomposition reaction
 - (D) combination reaction
- 29. Carbon compounds having double or triple bonds between the carbon atoms are known as
 - (A) saturated carbon compounds
 - unsaturated carbon compounds
 - (C) halothanes
 - alkanes
- 30. Waste products produced by our body during metabolism and carried by blood are excreted through
 - the kidneys
 - (B) the spleen
 - (C) the gonads
 - the stomach (D)

topeak?	of the following is correct?
31. What is the past tense of 'speak?	(A) A hedge of flowers
(A) Spoken (B) Spoke	(B) A shoal of flowers
(C) Spoked	LICY A bouquet of flowers
(D) Spook	(D) A pride of flowers
32. Fill in the blank with correct pronoun: "The presents are for you and"	37. What is the synonym of fraternity?
(A) me	(A) Brotherhood
(18)	(B) Neighbourhood
(C) she	(C) Friendship
(D) they	(D) Consulate
33. Fill in the blank with correct preposition:	The state of the s
"She sat the fire and told me a tale."	38. What is the opposite gender of widow?
(A) in	(A) Bachelor
(B) after	(B) Spinster
(C) into	(C) Maiden
Of by	(b) Widower
34. A person who sate have a	A TOURSED COMMERCENTINE (Co.
34. A person who eats human flesh is called (A) parasite	39. What is the superlative of modern?
(B)	(A) Modernist
(C) iconoclast	(B) Most modern
(D) drover consciolar (D)	(C) Moderate
a strante (C)	(D) None of the above
35. Complete the proverb with the correct	The same same same same same same same sam
word given below: "Better late than"	40. What is the antonym of best?
(A) ever	(A) Worse
avantasi arti Visi	The second secon
By never	(B) Bad
(C) always	Worst up = 13 esot
(D) forever	(D) Poor 2500 = 70 A.S.
	2 T KA GOO
6	2 2 kg x 5 x 4000 [Con
Control of the Contro	es kg & man
	2 0 25000

/2-

41.

$$\frac{-3}{4} \times \left\{ \frac{2}{3} + \left(\frac{-5}{6} \right) \right\}$$

(A)
$$\frac{1}{6}$$

(C)
$$\frac{-1}{4}$$

(D)
$$\frac{-1}{6}$$

42. If 21y5 is a multiple of 9, where y is a digit, what is the value of y?

mity

Widow?

em?

Contd.

43. Find the values of the letters in the following:

(A)
$$A = 6$$
, $B = 7$

(B)
$$A = 5$$
, $B = 6$

A = 7, B = 5

(D)
$$A = 7$$
, $B = 6$

44. Divide $z(5z^2 - 80)$ by 5z(z+4) and find the answer from the options given below:

45. If the weight of 12 sheets of thick paper is 40 grams, how many sheets of the same paper would weigh 21/2 kilograms?

46. What are the roots of the equation $2x^2 - 5x + 3 = 0$

(A) 1 and
$$\frac{3}{2}$$

(B)
$$-1 \text{ and } \frac{3}{2}$$

(D) 1 and
$$-\frac{3}{4}$$

47. The 10th term of the progression 2, 7, 12, ... is

48. A girl of height 90 cm is walking away from the base of a lamppost at a speed of 1.2 m/s. If the lamp is 3.6 m above the ground, what will be the length of her shadow after 4 seconds?

Find the value of

50. Find the height of a cuboid whose volume is 275 cm³ and base area is 25 cm².

