



జనవిజ్ఞానవేదిక (ఎ.పి)

Member NCSTC Network, Affiliated to AIPSN



మండల స్థాయి

Time : 60 min

విద్యార్థి పేరు : _____ తరగతి _____ పాఠశాల పేరు _____

Instructions : Each Question carries 1 mark, No negative marks . Discuss this Question Paper with your friends .

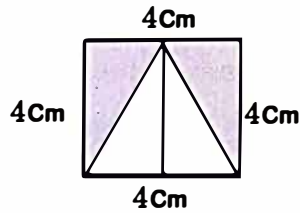
01. What is the instrument used for the stability of spacecraft ?



A. Gyroscope B. Thruster C. Heatfield D. Thermoscope

02. What is the area of the shaded region in the figure given below?

- A. 16 Cm²
B. 8 Cm²
C. 24 Cm²
D. 32 Cm²



03. Expand IUCN ?

- A. Indian Union for Conservation of Nature
B. International Union for Conservation of Nature
C. International Union for Crop Production Nations
D. International Union for Common Nomenclature

04. What diet should we take to overcome the problem of anemia ?



A. Pizza, burger



B. Noodles, Chips



C. Leafy Vegetables, Cereals



D. Cakes, Ice Cream

05. Name the Phase and end products formed in grana during the process of photosynthesis ?

- A. Biosynthetic Phases - Starch, Water
B. Photo Chemical Phases - Starch, Water
C. Biosynthetic Phases - ATP, NADPH, O₂
D. Photo Chemical Phases - ATP, NADPH, O₂

06. Which part of your eye is considered for Aadhar Identity?

- A. Lens
B. Iris
C. Retina
D. Cornea



07. Identify the statement which is not related to Testtube baby.

- A. Sperm and Ovum are collected from donors
B. Sperm and Ovum are fertilized in the test tube
C. This process of Testtube baby is called 'IVF'
D. Embryo development is done in the incubator in the Laboratory

08. Which of the following animal is a child-bearing male ?



A. Dolphin



B. Seahorse



C. Whale



D. Shark

09. The Force F acts on a stationary body for the time t. The distance covered by the body is S. What is the relation between 'S' and 't'?

- A. $S \propto t$ B. $S \propto 1/t$ C. $S \propto t^2$ D. $S \propto 1/t^2$

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పేరు.....
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 పిన్ కోడ్..... ఫోన్

మనియార్డర్ పంపాల్సిన చిరునామా:

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10. In the process of dialysis blood is taken out from the vessel 'P' and then send into dialyzer. the cleaned blood then is pumped back to the body through vessel 'Q'. Then the vessel 'P' and vessel 'Q' respectively are

- A. P : Aorta Q : Systemic vein
- B. P : Vein Q : Artery
- C. P : Artery Q : Vein
- D. None

11. Which animal gives out bad smell to keep its enemy away ?



A. Paper bug



B. Bombardier beetle



C. Beaver



D. Tasmanian Devil

12. What is the Chemical Name of Vitamin B12 ?

- A. Niacin
- B. Cyanocobalamin
- C. Biotin
- D. Tocopheral

13. Which of the following animals have bioleteral symmentry and open circulatory system ?

- A. Earthworm, snail
- B. Earthworm, Cockroach
- C. Roundworm, Earthworm
- D. Cockroach, Snail

14. What type of motion takes place in a Pendulum of a wall clock ?

- A. Rotatory motion
- B. Oscillatory motion
- C. Translatory motion
- D. Linear Motion



15. Identify the instrument invented by

Rene Laennec.



A. Spnygmomanometer



B. Thermometer



C. Stethoscope



D. Periscope

16. A body of mass 5 Kg has a momentum 125 Kg. m/s. What is the velocity of the body?

- A. 20 m/s
- B. 25 m/s
- C. 130 m/s
- D. 625 m/s

17. The man who was Praised by UNESCO as the enemy for ignorance, Superstitions and meaningless traditions was?



A. Periyar
E.V Ramaswamy



B. Gurajada
Apparao



C. Kandukuri
Veeresalingam



D. Gurram
Jashuva

18.

$$\frac{2019^2 - 1}{(2018)(2020)} = ?$$

- A. 1
- B. 2
- C. 3
- D. 4

19. Which is the female reproductive part of a flower?

- A. Sepals
- B. Petals
- C. Stamen
- D. Pistil

ప్లాస్టిక్ కాలుష్యాన్ని నిరోధిద్దాం - భూగోళాన్ని కాపాడుకుందాం.

చెట్లు మన చుట్టూ వున్న మాన నేస్తాలు

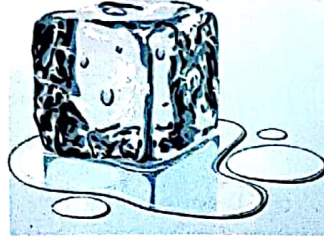
20. What is the Cause of Yawning ?



- A. Decreased oxygen supply to the brain
- B. Stopping the supply of oxygen to the brain.
- C. Increased oxygen supply to the brain.
- D. Lack of Coordination of brain and Heart.

21. The Value of temperature of 1 gm Ice Cube is 0°C then the temperature of 100 gm Ice Cube is

- A. $1/100^{\circ}\text{C}$
- B. 100°C
- C. 0°C
- D. 1°C



22. How many non perfect square numbers are there between 9^2 and 10^2

- A. 18
- B. 20
- C. 38
- D. 37

23. Astrologers predict the future of a person by birth date or by handlines. How is it possible for them?



- A. They are able to see Planets and Planetary motions from Earth.
- B. They have supernatural powers
- C. They are the embodiment of the Divine.
- D. The man says he guessed himself according to linguistics.

24. Identify the Copper Electronic configuration?

- A. $(\text{Ar}) 4\text{S}^1 3\text{d}^4$
- B. $(\text{Ar}) 4\text{S}^1 3\text{d}^5$
- C. $(\text{Ar}) 4\text{S}^2 3\text{d}^8$
- D. $(\text{Ar}) 4\text{S}^1 3\text{d}^{10}$

25. What Gas is used in Welding ?

- A. Ethylene
- B. Acetylene
- C. Methane
- D. LPG



26. Identify the incorrect pair.

- A. Ameoba-Flame Cell
- B. Earthworm - Nephredia
- C. Starfish - Water Vascular
- D. Sheep - Kidney

27. Who was the Scientist who named the Hydrogen ?



A. Cavendish



B. Lavoisier



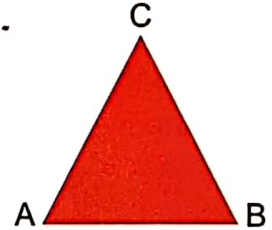
C. Boyle



D. Charles Darwin

28. Identify the correct relation for triangle ABC ?

- A. $AB+BC>AC$
- B. $AB+BC<AC$
- C. $AB-BC>CA$
- D. $AB=BC+CA$



29. Which carbon allotrope is used in Shoe Polish ?



A. Graphite



B. Charcoal



C. Coal



D. Lampblack

30. Which among the following is the edible part of Rice?

- A. Fruit
- B. Cotyledons
- C. Endosperm
- D. Embryo

31. What is LCM of 0.25, 0.5, and 0.75 ?

- A. 15.0
- B. 3.0
- C. 1.5
- D. 3.5

బాల్య వివాహాలు వద్దేవద్దు - బాలికలకు చదువే ముద్దు

ఆదపిల్లను పుట్టనిద్దాం... చదవనిద్దాం... ఎదగనిద్దాం.

32. Which of the following is different from others ?

A.



B.



C.



D.



33. If 14% of a number is 35 What is that number ?

A. 250

B. 165

C. 174

D. 182

34. Human being said to be moving Museum of vestigial organs Identify the vestigial organs of humanbeing ?

A. Apendix, Skin, Weak Muscles, Skull

B. Apendix, Pinna, Hair or Skin, Mammary glands in human males

C. Apendix, Liver, Duodenum, Pancrease

D. Apendix, Small intestine, Large intestine, Pencrease

35. Which Chemical is used in police breathe analyzers ?



A. $K_2Cr_2O_7$

B. Na_2SO_4

C. K_2SO_4

D. $Kmno_4$

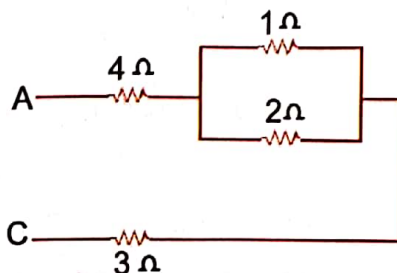
36. Resultant resistance between A and C

A. 7Ω

B. 0Ω

C. 7.67Ω

D. 0.48Ω



37. Match the following

i) Cinchona

ii) Tobacco

iii) Opium

iv) Rauwolfia serpentine

v) Tridax

a) Cocaine

b) Reserpine

c) Quinine

d) Pyrethroids

e) Nicotine

A. i-c, ii-e, iii-a, iv-b, v-d

B. i-a, ii-b, iii-c, iv-d, v-e

C. i-d, ii-c, iii-b, iv-a, v-e

D. i-b, ii-e, iii-d, iv-a, v-c

38. Cleft - Lip and Palate in babies is due to



A. Birth on Eclipse day

B. Acquiring by Hereditary

C. Embryological disorder during pregnancy

D. Pregnant mother having come out during ecilipse time

39. A Student have to get 35% maximum marks to pass the examination. Madhav got 235 marks and failed by 29 marks. What were the total Marks ?

A. 600

B. 500.

C. 400

D. 754

40. Which Indo American Economist has recently been awarded the Noble Prize - 2019 for Economics?



A. Michel Crimare



B. Amartya Sen



C. Abhijith Banerjee



D. Asther Deplo

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