Book For Karnataka State Police



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(1) Which was the fi	rst country to withdraw from CENTO?
[A] Iraq	
[B] Afghanistan	
[C] Turkey	
[D] U.K.	
Answer: [A]	
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(2) Headquarters of	the World Health Organisation is located at
[A] Geneva	
[B] Washington DC	
[C] New York	
[D] Rome	
Answer: [A]	
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(3) The working lan	guage(s) of the UNESCO is/are
[A] French only	
[B] English only	
[C] English and Frence	ch
[D] English, French a	and Russian
Answer: [C]	
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(4) The number of p	rincipal organs of UNO is
[A] 3	
[B] 4	
[C] 5	
[D] 6	
Answer: [C]	
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(5) The SAARC mov	vement was launched for
[A] political alliances	
[B] regional cooperat	ion
[C] cultural exchange	es .
[D] military strategy	
Answer: [B]	
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(6) Which of the foll	owing country is not a member of G-7?
[A] Japan	

[B] Russia

[B] 1974

[C] 1956

[D] 1964

Answer: [B]

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(11) Osmosis is the flow of solution from higher concentration to a solution of lower concentration through a semi permeable membrane. What is incorrect in this statement?

[A] Exact concentration of solution is not given

[B] Character of semi permeable membrane is not given

[C] The flow of solution is not possible through semi permeable membrane

[D] All are incorrect

Answer: [C]

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(12) Radical vascular bundles are those in which

- [A] xylem is surrounded by phloem
- [B] phloem is surrounded by xylem
- [C] xylem and phloem occur on the same radius
- [D] xylem and phloem occur on the different radii

Answer: [D]

Explanation:

With the help of examples, explain the various types of vascular bundles.

In angiosperms the vascular bundles are mainly of three types (i) radial (ii) conjoint (iii) concentric.

- (i) Radial: Presence of radial vascular bundles is the characteristic feature of roots. Those vascular bundles in which xylem and phloem are present on different radii are known as radial vascular bundles. In between xylem and phloem bundles parenchymatous cells are present.
- (ii) Conjoint: In these vascular bundles xylem and phloem are present on the same radii. Conjoint vascular bundles may be collateral (phloem is present only outer to xylem) or bicollateral (phloem is present on both sides of xylem). If cambium is present between xylem and phloem then the vascular bundle is known as open, otherwise it is called closed.
- (iii) Concentric: Those vascular bundles in which one type of vascular tissue is surrounded by another type are known as concentric vascular bundles. These bundles may be amphivasal or leptocentric(phloem is completely surrounded by xylem) or amphicribal or hardocentric (xylem is completely surrounded by phloem). Amphivasal bundles are found in Dracaena and Yucca. Amphicribal bundles are found in stamens of many dicots etc.

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- (13) One day you wake with a sore throat and a runny nose. Your doctor takes a swab from your throat, sends it to a lab, and telephones you the next day to say that antibiotic will not help you get better. Which of the following is the most likely reason for the doctor's statement?
- [A] Having waited a day, it is too late to take an antibiotic
- [B] You need an antiseptic, not an antibiotic
- [C] You need to be vaccinated instead of taking an antibiotic
- [D] You are infected by a virus

Answer: [D]

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(14) Nymph is the name of young one of

- [A] butterfly
- [B] beetle
- [C] housefly
- [D] cockroach

Answer: [D]

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- $(15) \ Oxyreductases, transferases, hydrolases, lyases, isomerases \ and \ ligases \ are \ all \ classes \ of \ an experiment \ and \ an experiment \ an exp$
- [A] hormones
- [B] enzymes
- [C] proteins
- [D] vitamins

Answer: [B]

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(16) Mutation is

- [A] a factor responsible for plant growth
- [B] a change which affects the offspring of F2 generation only
- [C] a change that is inherited
- [D] a change which affects the parents

Answer: [C]

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(17) Who invented the Seed Drill?

- [A] Jethro Tull
- [B] Arlo Guthrie
- [C] Woodie Guthrie
- [D] Thomas Hines

Answer: [A]

Explanation: It was invented around the early 1700's.

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(18) The initials JCB on earth-moving equipment are those of the founder of the company that makes it. What is his name?

- [A] John Christopher Ballantyne
- [B] Joseph Cyril Bamford
- [C] John Christopher Baxter
- [D] Jack Croxford Baker

Answer: [B]

Explanation: Joseph Cyril Bamford founded the company that makes these iconic machines in 1945, in a 12ft X 15ft garage in Staffordshire.

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(19) When was the toothbrush invented?

- [A] 1770
- [B] 1765
- [C] 1790
- [D] 1742

Answer: [A]

Explanation: The first toothbrush was made out of a bone and small brush, by jail prisoner William Addis of England.

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(20) When was Milk Tray first introduced?

- [A] 1915
- [B] 1934
- [C] 1923
- [D] 1942

Answer: [A]

Explanation: Milk Tray was introduced in 1915 in open boxes arranged on wooden trays. Today, with its distinctive purple and gold cartons and popularised by the "Man in Black" television adverts, its one of the most popular chocolate assortments.

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