

SCHOLARSHIP TEST (NEET) SAMPLE QUESTIONS

SECTION - I (BIOLOGY)

This section contains 40 multiple choice questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which ONLY ONE is correct.

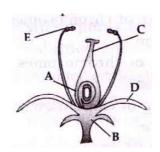
- 01. The internal (cellular) energy reserve in autotrophs is
 - (A) glycogen
- (B) protein
- (C) starch
- (D) fatty acid
- 02. Which is the correct sequence of air passage during inhalation?
 - (A) Nostrils \rightarrow larynx \rightarrow pharynx \rightarrow trachea \rightarrow lungs
 - (B) Nasal passage \rightarrow trachea \rightarrow pharynx \rightarrow larynx \rightarrow alveoli
 - (C) Larynx \rightarrow nostrils \rightarrow pharynx \rightarrow lungs
 - (D) Nostrils \rightarrow pharynx \rightarrow larynx \rightarrow trachea \rightarrow alveoli
- 03. Which one of the following is connected with transport of water in plants?
 - (A) Phloem
- (B) Xylem
- (C) Epidermis
- (D) Cambium
- 04. Ureotelic animals are those which eliminate the nitrogenous wastes predominantly in the form of
 - (A) uric acid
- (B) ammonia
- (C) amino acids
- (D) urea

- 05. Amylolytic enzymes are produced from
 - (A) salivary gland and liver
 - (B) stomach and pancreas
 - (C) salivary glands and pancreas
 - (D) stomach and liver
- 06. **Assertion :** Many advanced invertebrates have open circulatory system.

Reason: The open circulatory system is open to the environment.

- (A) If both assertion and reason are true and reason is the correct explanation of assertion
- (B) If both assertion and reason are true but reason is not the correct explanation of assertion
- (C) If assertion is true but reason is false
- (D) If assertion is false but reason is true
- 07. The bacteria present in contaminated water is
 - (A) Clostridium
- (B) Mycobacterium
- (C) Coliform
- (D) Streptococcus
- 08. Which of the following is a contraceptive device?
 - (A) Copper-T
- (B) Condom
- (C) Diaphragm
- (D) All of these
- 09. A segment of DNA providing information for a protein is called
 - (A) nucleus
- (B) chromosomes
- (C) trait
- (D) gene

10. Match the labelled parts of the given figure with the correct option

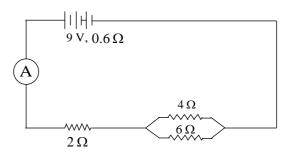


- (A) A- Ovary, B- Thalamus, C-Filament, D-Sepal, E-Anther
- (B) A- Ovary, B- Thalamus, C-Style, D-Sepal, E-Anther
- (C) A- Ovule, B-Sepal, C- Style,
- D-Thalamus, E-Filament
- (D) A-Ovule, B-Sepal, C-Style, D-Thalamus E-Stamen

SECTION-II(PHYSICS)

This section contains 25 multiple choice questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which ONLY ONE is correct.

11. From the following diagram, what is the current flowing through the ammeter.



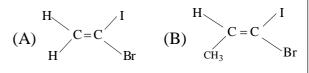
- (A) 1.8 A
- (B) 4.5 A
- (C) 10 A
- (D) 2A
- 12. In an electric circuit three bulbs are connected in series or in parallel. Consider the following statements.
 - (I) In series combination, same current passes through the bulbs.
 - (II) In parallel combination, same potential difference is applied across each bulb
 - (A) I is correct II is wrong
 - (B) I is wrong, II is correct
 - (C) Both I & II are correct
 - (D) Both I & II are wrong

- 13. A rectangular block of glass (Rafractive index 3/2) is kept in water (Refractive index 4/3). The critical angle for total internal reflection is
 - (A) $\sin^{-1}\left(\frac{8}{9}\right)$ for a ray of light passing from glass to water
 - (B) $\sin^{-1}\left(\frac{8}{9}\right)$ for a ray of light passing from water to glass
 - (C) $\sin^{-1}\left(\frac{2}{3}\right)$ for a ray of light passing from water to glass
 - (D) $\sin^{-1}\left(\frac{2}{3}\right)$ for a ray of light passing from glass to water
- Consider the following statements
 - (I) Both sound and light can travel on the surface of the earth.
 - (II) Both sound and light can travel on the surface of the moon
 - (A) Both I and II are correct
 - (B) Both I and II are wrong
 - (C) I is correct but II is wrong
 - (D) I is wrong but II is correct

SECTION-III (CHEMISTRY)

This section contains 25 multiple choice questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which ONLY ONE is correct.

15. Geometrical isomerism is shown by



(C)
$$CH_3$$
 $C=C$ CI CH_3 $C=C$ CI CH_3 $C=C$ CI CI

16. The missing term in equation is

$$2 \ Fe^{_{^{3+}}}{}_{(aq)} + Sn^{_{^{2+}}}{}_{(aq)} \to 2 Fe^{_{^{2+}}}{}_{(aq)} + \ldots \ldots$$

- (A) Sn^{3+} _(aq)
- (B) Sn^{2+}
- (C) Sn
- (D) Sn^{4+}
- 17. Which one of the following sets of ions represents a collection of isoelectronic species?

(A)
$$K^+$$
, Cl^- , Ca^{2+} , Sc^{3+}

(B)
$$Ba^{2+}$$
, Sr^{2+} , K^+ , S^{2-}

(C)
$$N^{3-}$$
. O^{2-} . F^{-} . S^{2-}

(D)
$$Li^+$$
, Na^+ , Mg^{2+} , Ca^{2+}

18 Identify the final product 'S' in the following sequence of reactions

$$CH_3CH_2Cl \xrightarrow{KOH_{(aq)}} (P) \xrightarrow{Con H_2SO_4}$$

$$(Q) \xrightarrow{\text{H}_2 + \text{Ni}} (R) \xrightarrow{\text{Cl}_2, \text{ hv}} (S)$$

- (A) ethyl alcohol
- (B) 2-chloro ethanol
- (C) methyl culoride (D) chloro ethane

SECTION-IV

(ENGLISH & REASONING)

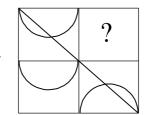
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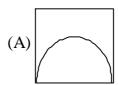
- 19. Choose the correct **antonym** for the given word: PRUDENT
 - (A) obsolete
- (B) foolish
- (C) proud
- (D) austere
- 20. **Directions**: Choose the option which contains a pair of words related to each other in the same way as the pair given in capital letters.

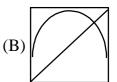
MARATHON: RACE

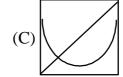
- (A) hock: pawn
- (B) wax: wane
- (C) contaminate: spread
- (D) hibernation: sleep













KEY

01.C 02.D03.B04.D 05.C 06.C 07.C 08.D 09.D 11.A 12.C 10.B 13.A 14.C 15.B 16.D 17.A 18.D 19.B 20.D 21.A