

**KENDRIYA VIDYALAYA BHU (FS) VARANASI , SESSION-2024-25**

**HALF YEARLY EXAMINATION, CLASS—8 , SUBJECT- SCIENCE**

**TIME:2:30 Hrs**

**M.Marks- 60**

**General instruction:**

- 1 All questions are completed compulsory.
- 2 The question paper is comprised into five sections A, B, C , D and E

**SECTION-A (1X15)=15 Marks**

**Multiple choice questions:**

Q1 Rolling friction is smaller than

- (a) sliding friction (b) static friction (c) fluid friction (d) all the above

Q2 Hen's egg is-

- (a) Tissue (b) Organ (c) Organ system (d) Cell

Q3 The purest form of carbon is-

- (a) coal (b) charcoal (c) coke (d) all of these

Q4 Spirogyra is-

- (a) an algae (b) a fungi (c) a protozoa (d) a bacteria

Q5 Which one of the following gas is used in combustion-

- (a) Hydrogen (b) Oxygen (c) Nitrogen (d) Carbon dioxide

Q6 Penicillium is a--

- (a) Algae (b) Fungus (c) Bacteria (d) Yeast

Q7 Weedicides are used to destroy--

- (a) insects (b) weeds (c) pests (d) none of these

Q8 The substances which have very low ignition temperature will-

- (a) catch fire after some time (b) catch fire easily (c) will not catch fire (d) none of these

Q9 Leaves OR fruits fall on the ground due to-

- (a) magnetic force (b) gravitational force (c) electrostatic force (d) muscular force

Q10 The animals that produce young ones are called-

- (a) oviparous (b) viviparous (c) both (a) and (b) (d) none of these

Q11 Foetus is the-

- (a) well developed embryo (b) developing embryo (c) a zygote (d) male gamete

Q12 Fauna indicates for--

(a) plants (b) animals (c) both plants and animals (d) none of these

Q13 The place of living organisms in environment is called-

(a) home (b) resort (c) habitat (d) reservoir

Q14 The products of combustion are-

(a) Carbondioxide and water (b) oxygen and water (c) only Carbondioxide (d) only oxygen

Q15 Wheat and gram belong to-

(a) rabi crop (b) Kharif crop (c) both (a) and (b) (d) none of these

#### **SECTION- B (2X5)=10 Marks**

**Very short answer type questions:**

16 What is metamorphosis ? Give two example.

17 Define antibiotics . Give two example .

18 What is red data book?

Q19 Define muscular force . Give two example of muscular force.

Q20 What is fluid friction ? Give two example.

#### **SECTION—C (3X5)= 15 Marks**

**Short answer type questions:**

Q21 Explain contact. and non contact forces.

Q22 Make a well labeled diagram of candle flame.

Q23 What is fossil fuel ? Write name of two fossil fuels.

Q24 Match the column A to column B

**Column A----- Column B**

- |                   |                   |
|-------------------|-------------------|
| (a) Bacteria      | 1 causing malaria |
| (b) Lactobacillus | 2 baking of bread |
| (c) Rhizobium     | 3 setting of curd |
| (d) Yeast         | 4 causing cholera |
| (e) Protozoan     | 5 fixing nitrogen |
| (f) Seed drill    | 6 sowing of seeds |

Q25 What is endangered animals ? Give two example..

#### **SECTION—D (5X3)= 15 Marks**

**Long answer type questions:**

Q26 Draw a well labeled diagram of female reproductive organ.

Q27 Write three advantage and two disadvantage of friction.

Q28 What is irrigation ? Write name of four source of irrigation.

**SECTION—E (5X1)= 5 Marks**

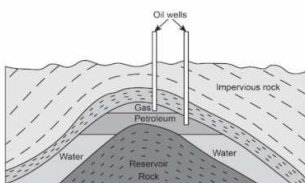
**Q29 CCT BASED QUESTION:**

(1) Coke is a product obtained by the processing of coal. Which of these is a by-product of making coke?

(a). Coal tar (b) Bitumen (c) Coal gas (d) Kerosene

(2) Which of these conditions is required for the formation of natural gas

(a) Presence of air (b) Low pressure (c) Presence of water (d) High temperature



(3) Which of these petroleum products is used for heavy motor vehicles

(a) LPG (b) Diesel (c) Petrol (d) Kerosene

(4) What is the advantage of using CNG instead of petrol in light vehicle ?

(a) It can be stored easily (b) It can be extracted easily (c) It causes less air pollution (d) It releases more energy on combustion.

(5) When coal burns in air , then

(a) carbon dioxide is formed (b) sulphur dioxide is formed (c) Carbon mono- oxide is formed (d) hydrogen gas is formed.

-----END-----