



NEET

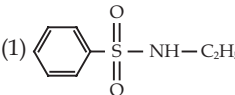
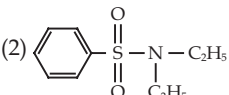
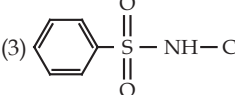
MODEL QUESTIONS

DAY-6

Subject : PHYSICS

- The magnetic field at the centre of a circular coil of radius R due to current I flowing through it is B. The magnetic field at a point along the axis at distance R from the centre is
 (1) $\frac{B}{2}$ (2) $\frac{B}{4}$ (3) $\frac{B}{\sqrt{8}}$ (4) $\sqrt{8}B$
- A current flow in a conductor from east to west. The direction of the magnetic field at a point above the conductor is.
 (1) Towards south (2) Towards west
 (3) Towards north (4) Towards east
- A magnet of magnetic moment $50\hat{i}$ Am² is placed along the x-axis in a magnetic field $\vec{B} = (0.5\hat{i} + 3.0\hat{j})T$. The torque acting on the magnet is
 (1) $175\hat{k}$ Nm (2) $150\hat{k}$ Nm
 (3) $75\hat{k}$ Nm (4) $25\sqrt{37}\hat{k}$ Nm

Subject : CHEMISTRY

- In nucleophilic addition reactions, why aldehydes are more reactive than ketones.
 (1) The alkyl groups present in aldehyde, reduce the electrophilicity of the aldehyde carbon.
 (2) Aldehyde has sterically hindered group.
 (3) The alkyl groups present in ketone, reduce the electrophilicity of the carbonyl carbon.
 (4) Both 1 and 2.
- Secondary amines react with Benzene sulphonyl chloride gives,
 (1)  (2) 
 (3)  (4) None of these
- Electronic configuration of Lu is,
 (1) Xe $4f^7 5d^1 6s^2$ (2) Xe $4f^{14} 5d^1 6s^2$
 (3) Xe $4f^7 5d^1$ (4) Xe $4f^{14} 5d^1$

Questions Provided by
VETR II NEET GATEWAY

Subject : BOTANY

- Which of the following statements are incorrect regarding the Lichens?
 (a) Lichens are symbiotic association between algae and fungi
 (b) Algal component is called Mycobiont
 (c) Fungal component is called Phycobiont
 (d) Lichens are very good pollution indicators.
 (1) (a)&(d) (2) (a)&(c) (3) (b)&(c) (4) (b)&(d)
- Match Column-I and Column-II and choose the correct options:

| | |
|----------------------------------|----------------------------------|
| Column-I | Column-II |
| (a) Monoadelphous | (i) Citrus |
| (b) Diadelphous | (ii) China rose |
| (c) Polyadelphous | (iii) Pea |
| (1) (a)-(iii), (b)-(ii), (c)-(i) | (2) (a)-(ii), (b)-(iii), (c)-(i) |
| (3) (a)-(i), (b)-(ii), (c)-(iii) | (4) (a)-(ii), (b)-(i), (c)-(iii) |
- Which of the following plant produce flowers once in 12 years?
 (1) Strobilanthes kunthiana (2) Eichhornia crassipes
 (3) Agave tequilana (4) Colchicum autumnale

Subject : ZOOLOGY

- Select the incorrect statement about HGP.
 (1) Less than 2% of genes code for proteins.
 (2) Chromosome 1 has most genes.
 (3) Repetitive sequences are seen in large portions in the human genome.
 (4) The human genome has 31,677 million bp.
- The Population interaction in which one species benefit and the other is neither harmed nor benefited is.
 (1) Amensalism (2) Commensalism
 (3) Mutualism (4) Parasitism
- The biological response modifiers which activates their immune system and helps to destroy the tumor is
 (1) Alpha interferons (2) Beta interferons
 (3) Gamma interferons (4) Lambda interferons

Answer Keys:

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| (3) | (3) | (2) | (3) | (2) | (2) | (3) | (2) | (1) | (4) | (2) | (1) |



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