

Model Paper**Academic Development Unit (ADU)***Our Passion Quality Assurance in Education***Class: 12 – Pre-Med**

Roll No. _____	Signature of Supervisor _____
GENDER Please tick <input checked="" type="checkbox"/> one Male <input type="checkbox"/> Female <input type="checkbox"/>	Total Time: 2.00 Hours Total Marks: 100

English	Q1	Q2	Q3	Q4	Q5	Total Marks:	Obtained Marks:
						20	
Urdu	Q1	Q2	Q3	Q4		20	
Biology	Q1	Q2				20	
Chemistry	Q1	Q2				20	
Physics	Q1	Q2				20	
Total Marks:						100	

8- کاٹ کر یا کسی بھی طریقہ سے منٹا کر لکھے گئے جوابات غلط تصور ہوں گے۔

9- مقررہ وقت کے علاوہ کوئی اضافی ٹائم نہیں دیا جائے گا۔

10- نقل سے گریز کریں ورنہ آپ کا پرچہ کنینسل کر دیا جائے گا۔

11- موبائل فون کا استعمال منع ہے۔

12- کیلکولیٹر استعمال کرنے کی اجازت ہے۔

13- پرچہ جلد حل کرنے کی صورت میں اطمینان سے بیٹھیں اور مقررہ

وقت کے ختم ہونے کا انتظار کریں۔

14- پیپر میں کسی بھی جگہ مثلاً خط، کمائی، درخواست یا مضمون میں اپنے

سکول، شہر، گاؤں کا نام لکھنا سختی سے منع ہے۔ ورنہ پیپر کنینسل کر دیا

جائے گا۔

ضروری ہدایات

1- حاضری شیٹ سے دیکھ کر رول نمبر تحریر کریں۔

2- نام اور ولدیت لکھنے کی ضرورت نہیں ہے۔

3- طلباء (Male) والے اور طالبات (Female) والے ڈبے پر نشان لگائیں۔

4- ہر سوال لازمی ہے اور تمام مضامین کے یکساں نمبر ہیں۔

5- سوال حل کرنے سے پہلے دی گئی ہدایات غور سے پڑھ لیں۔

6- امتحانی مرکز میں طلباء و طالبات کے پاس کلب بورڈ اور پین کے علاوہ کچھ اور

نہیں ہونا چاہیے۔ تمام سوالات کو حل کرنے اور رف عمل کرنے کے لیے جگہ پرچہ

میں موجود ہے لہذا کسی قسم کا اضافی صفحہ لانے کی ضرورت نہیں ہے۔

7- کچی پینسل کا استعمال ہرگز نہ کریں۔ صرف نیلی یا سیاہ بال پوائنٹ یا پوائنٹر کا

استعمال کریں۔



**PUNJAB
EDUCATION FOUNDATION**



نوٹ: تمام مضامین کے پیپر کا 30 فیصد حصہ غیر نصابی (Unseen) مواد پر مشتمل ہو سکتا ہے جس کا انتخاب پنجاب ٹیکسٹ کی کتاب میں موجود ایس ایل اوز (حاصلاتِ تعلم) اور طے کردہ نصاب میں سے کیا جائے گا۔

Note: 30% of each subjects' paper will comprise of unseen Questions based on SLOs/themes/ lessons mentioned in the given syllabus and books.

ENGLISH

Total Marks: 20

SECTION - A

There are 8 MCQs in this section. All questions are compulsory and carry equal marks. (8)

Q.No.1. Choose the correct answer:

1. In the prose "First year at Harrow" the examiner always tried to expose the writer's _____.	
(a) ignorance	(b) knowledge
(c) value	(d) worth

2. The lamps threw their <u>gleam</u> across the smooth, hard road. "Gleam" means:	
(a) smell	(b) oil
(c) rays	(d) stink

3. The phrase "Good- bye, Mr. Chip" is uttered _____ in the novel.	
(a) once	(b) twice
(c) thrice	(d) four times

4. Chip sat by the fire when the autumn gale <u>rattled</u> the windows. "Rattled" means:	
(a) open	(b) shut
(c) paint	(d) clang

5. Choose the correct sentence: Either he or I are visiting the fair.	
(a) Either he or I is visiting the fair.	(b) Either he or I were visiting the fair.
(c) Either he or I has visiting the fair.	(d) Either he or I am visiting the fair.

6. Fill in the blank with correct preposition: “She was accompanied _____ her husband.”	
(a) in	(b) with
(c) by	(d) of

7. Your plan is not agreeable _____ your father’s wishes.	
(a) to	(b) on
(c) for	(d) with

8. Choose the correct translation:	
کسان گندم کی فصلیں کاٹ چکے ہیں۔	
(a) Farmers has harvested the wheat crops.	(b) Farmers have harvested the wheat crops.
(c) Farmers had harvested the wheat crops.	(d) Farmers have harvest the wheat crops.

SECTION – B

Attempt all questions. All questions are compulsory.

Total Marks (12)

Q.No.2. Use the following idioms in meaningful sentences:

(2)

Word	Sentences
Add fuel to fire	<hr/> <hr/> <hr/>
Bag and baggage	<hr/> <hr/> <hr/>

Write Short Answers to the following questions:

Q .No.3. How has the scientific method helped us in the production and preservation of foods? (2)

Q .No.4. How did Chips measure his time? (2)

Q.No.5. Write a paragraph on any one of the following topic: (6)

My Hobby

A picnic party



7- "سبق تشکیل پاکستان" کے مطابق فارسی زبان عدالتوں سے کب خارج کر دی گئی؟

(a) ۱۸۳۶ء (b) ۱۸۳۵ء

(c) ۱۸۳۷ء (d) ۱۸۳۱ء

8- لفظ "زعم" کا کیا مطلب ہے؟

(a) گمان (b) تعلق

(c) پریشانی (d) شکست

(حصہ دوئم)

سوال نمبر: 2 مندرجہ ذیل سوالات کے مختصر جوابات دیں۔ (4)

الف: پاکستان کے مسلمانوں کا نصب العین کیا ہے؟

جواب:

سوال ب: نواب محسن الملک کی تقریر کا انداز کس حد تک دلکش تھا؟

جواب:

سوال نمبر: 3 مندرجہ ذیل الفاظ کو جملوں میں استعمال کریں۔ (2)

الفاظ	جملے
خدا لکھتی کہنا	
جوہر کھلانا	

سوال نمبر: 4 "محنت کی برکات" کے عنوان پر مضمون لکھیں۔ (6)

BIOLOGY

Total Marks: 20

SECTION – I**Q. No. 1. Encircle the correct answer from the following choices. (8)**

1.	The category of plants that has adaptations of small and thick leaves to limit water loss is called.	
(a) mesophytes	(b) hygrophytes	
(c) xerophytes	(d) hydrophytes	

2.	Which of the following is not endotherm?	
(a) amphibian	(b) mammals	
(c) bird	(d) flying insects	

3.	Which of the following is digitigrade?	
(a) monkey	(b) rabbit	
(c) apes	(d) bear	

4.	Cilia are involved in the locomotion of:	
(a) amoeba	(b) jelly fish	
(c) earthworm	(d) paramecium	

5.	Which of the following receptors detect stimuli of touch, pressure, hearing and equilibrium?	
(a) chemoreceptors	(b) mechanoreceptors	
(c) photoreceptors	(d) thermoreceptors	

6.	Which of the following is a characteristic of sexual reproduction?	
(a) offspring identical to parent	(b) meiosis absent	
(c) less rapid increase in number	(d) commonly occur in plants	

7.	The negative physiological changes in our body are called:	
(a) abnormalities	(b) regeneration	
(c) aging	(d) degeneration	

8.	In bacteria the newly synthesized mRNA is released in :	
(a) mitochondria	(b) cytoplasm	
(c) nucleus	(d) in b and c	

SECTION – II

Q.No.2. Answer the following short questions.

(6x2=12)

- (1) **Define osmoconformers.**
- (2) **Differentiate between hyaline cartilage and fibro cartilage.**
- (3) **What are the functions of thyroid stimulating hormone (TSH)?**
- (4) **What is the difference between identical twins and fraternal twins?**
- (5) **Define growth correlations.**
- (6) **What is the function of RNA polymerase in transcription?**

CHEMISTRY

Total Marks: 20

SECTION – I**No. 1. Encircle the correct answer from the following choices.****(8)**

1.	The branch of chemistry which deals with the study of hydrocarbon and their derivatives is called -----.	
(a) Organic chemistry	(b) Industrial chemistry	
(c) Analytical chemistry	(d) Bio chemistry	

2.	The strong heating of coal in the absences of air is called-----.	
(a) Fractional distillation	(b) Destructive distillation	
(c) Condensation	(d) Cracking	

3.	The octane number of a poor fuel can be improved by blending it with a small amount of additive like -----.	
(a) Tetra methyl lead	(b) Tetra ethyl lead	
(c) Ethylene glycol	(d) Tetra ethyl nickel	

4.	The self linking property of carbon is called -----.	
(a) Reforming	(b) Oxidation	
(c) Catenation	(d) Cracking	

5.	The general formula of alkene is -----.	
(a) $C_n H_{2n}$	(b) $C_n H_{2n+1}$	
(c) $C_n H_{2n+2}$	(d) $C_n H_{2n-2}$	

6.	Which one of the following is the formula of diethyl ether?	
(a) $CH_3-O-CH_2-CH_3$	(b) $CH_3-CH_2-CH_2-O-CH_3$	
(c) CH_3-O-CH_3	(d) $CH_3-CH_2-O-CH_2-CH_3$	

7.	What is the end product of the reaction of benzene with acetyl chloride in the presence of catalyst AlCl_3 (Friedel Craft Acylation)?	
(a) Picric Acid	(b) Acetophenone	
(c) Acetylene	(d) Benzophenone	

8.	What is the end product of hydroxylation of ethene?	
(a) Ethylene Glycol	(b) Ethyl alcohol	
(c) Acetylene	(d) Ethylene Oxide	

SECTION – II

Q.No.2. Answer the following short questions.

(6×2=12)

- (1) Why alkenes are more reactive than alkanes ?**
- (2) What is meant by $\text{S}_{\text{N}}2$ -reaction?**
- (3) How can you prepare tertiary alcohol from Grignard Reagent?**
- (4) What is meant by isomerism?**
- (5) Discuss the nitration of phenol with the help of suitable reaction.**
- (6) Define the term functional group.**

PHYSICS

Total Marks: 20

SECTION – I**Q.No. 1. Encircle the correct answer from the following choices.****(8)**

1.	The drum in a photocopier is coated with a layer of	
(a) Copper	(b) Aluminium	
(c) Silver	(d) Selenium	

2.	Drift velocity of electron in a conductor is of the order of:	
(a) 10^2 ms^{-1}	(b) 10^{-2} ms^{-1}	
(c) 10^3 ms^{-1}	(d) 10^{-3} ms^{-1}	

3.	The rate of loss of energy is called:	
(a) Joule	(b) Volt	
(c) power	(d) Ampere	

4.	The magnetic effect of a current was discovered by:	
(a) Oersted	(b) Ampere	
(c) Faraday	(d) Ohm	

5.	The flux per unit area is called	
(a) Induced EMF	(b) Flux density	
(c) Magnetic induction	(d) Mutual induction	

6.	The working of A.C generator is based upon the phenomenon of:	
(a) Self induction	(b) Electromagnetic induction	
(c) mutual induction	(d) Polarization	

7.	Transformer obey the law of conservation of:	
(a) Momentum	(b) Power	
(c) Charge	(d) Mass	

8.	Magnetic field is measured by:	
(a) Ammeter	(b) Galvanometer	
(c) Flux meter	(d) AVO meter	

SECTION – II

Q.No.2. Answer the following short questions.

(6×2=12)

سوال نمبر 2۔ مندرجہ ذیل سوالات کے مختصر جواب دیں۔

- (1) Electric lines of forces never cross. Why?
- (2) Do electrons tend to go to region of high potential or of low potential?
- (3) Why does the resistance of a conductor rise with temperature?
- (4) Is it possible to orient a current loop in a uniform magnetic field such that the loop will not tend to rotate? Explain.
- (5) Why the voltmeter should have a very high resistance?
- (6) State Lenz's law?