

SECTION-A**Note:**

- 1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
- 2) Fill the circle (A)(B)(C)(D), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like ●
- 3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer.

I.i. "الف" means _____.

- (A) Affection (B) Recognition (C) Hundred (D) Thousand

ii. "مضت" means _____.

- (A) Has passed (B) Has read (C) Has come (D) Has Died

iii. "انى ارى" means _____.

- (A) He watches (B) You watch (C) I watch (D) We watch

iv. "اولوا الارحام" means _____.

- (A) Parents (B) Dependent's (C) Neighbours (D) Relatives

v. Getting of knowledge is _____ on every Muslim.

- (A) Masnoon (B) Necessary (C) Compulsory (D) Obligatory

vi. "تعلم" means _____.

- (A) Learned (B) Taught (C) Read (D) Recited

vii. The habitation of bribery comes in to a nation when the _____ ends.

- (A) Recommendation (B) Peace (C) Justice (D) Knowledge

viii. Ghulam Ahmad Qadyani claimed prophet hood in _____.

- (A) 1900 (B) 1901 (C) 1902 (D) 1903

ix. The Holy Prophet (SAW) said that he is sent as a _____.

- (A) Doctor (B) Teacher (C) Saint (D) Pious

x. Cleanliness consists of _____ things.

- (A) 02 (B) 03 (C) 04 (D) 05

ENGLISH Comp (New) 9th

Time: 20 Minutes

Marks: 15

Paper Code

①

②

③

Roll No. of the Student

Serial No. Of the Answer Book

Multiple Choice Questions
01 Mark for each**SECTION-A**

Note:

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- I.i. Arabia is a _____ land where water is scarce.
- (A) Muddy (B) Fertile (C) Desert (D) Marshy
- ii. The word "Amnesty" means _____.
- (A) Patience (B) Forgiveness (C) Tolerance (D) Sadness
- iii. Seek help through patience and _____.
- (A) Unity (B) Request (C) Prayer (D) Cooperation
- iv. They _____ in never ending line.
- (A) Stretched (B) Stand (C) Close (D) Sit
- v. We should all be _____ in the same way.
- (A) Deal (B) Paid (C) Behaved (D) Treated
- vi. Craftsman means _____.
- (A) Professional (B) Mason (C) Carpenter (D) Skilled Person
- vii. _____ is money.
- (A) Wealth (B) Health (C) Time (D) Honey
- viii. Your wrap your arms _____ the person.
- (A) Around (B) Over (C) Above (D) Under
- ix. Iqbal is one of the most _____ poet and philosopher.
- (A) Superb (B) Outstanding (C) Wanted (D) Important
- x. There were much in those days of violence to _____ Jinnah.
- (A) Fear (B) Sadden (C) Disturbance (D) Sadness
- xi. The sound came from Nasiruddin _____.
- (A) House (B) Barn (C) Stable (D) Kitchen
- xii. The word like "Lilly" in bloom" is _____.
- (A) Imagery (B) Metaphor (C) Simile (D) None of these
- xiii. Hazrat Usman was famous for his _____.
- (A) Business (B) Bravery (C) Richness (D) Generosity
- xiv. A poet could not but be _____.
- (A) Happy (B) Sad (C) Amused (D) Gay
- xv. In _____ a novel has been published about the life of Nasiruddin.
- (A) Iran (B) Turkey (C) Russia (D) England

Note: Time allowed for section B and C is 1 hour and 45 minutes.

SECTION "B"

Marks: 25

I. Attempt any FIVE Parts out of the following. Each Part carries equal marks.

- i. Which rewards are mentioned in Surah Anfal regarding Ghazwa Badar.
- ii. Which things are to be followed while fighting against the non-believers.
- iii. Translate & Explain. والذين آمنوا وهاجرنا وجاهدوا في سبيل الله ولذيقوا من الله ولذيقوا من الله ولذيقوا من الله
- iv. Write down the best action & best prayer in the light of Hadith.
- v. Translate & Explain. من صلى على مرة فتح الله له بابا من العافية
- vi. Write down the features (Fazaail) of Quran.
- vii. Write a Quranic verse & a Hadith on cleanliness.

SECTION "C"

Marks: 15

Note: Attempt any TWO questions of the following. Each question carries equal Marks.

- III. (a) Translate & Explain. وما رميت اذ رميت ولكن الله رمى
(b) Write down the features (Fazilat) of knowledge in the light of the Holy Quran.
- IV. (a) What has been said by Allah Almighty in Surah Anfal regarding the prisoners of war.
(b) What has been said by the Holy Prophet (SAW) regarding brise.
- IV. (a) Translate and Explain. ان اكمل المؤمنين ايمانا احسنهم خلقا
(b) What is meant by the love of the Holy Prophet (SAW).

نوٹ: حصہ ب اور حصہ ج کے لیے کل وقت ایک گھنٹہ اور 45 منٹ ہیں۔

نمبر: 25

حصہ ب

II۔ مندرجہ ذیل میں سے کسی 15 اجزاء کے مختصر جوابات تحریر کریں۔ تمام اجزاء کے نمبر برابر ہیں۔

- i. سورۃ انفال میں غزوہ بدر کے حوالے سے اللہ تعالیٰ نے کن انعامات کا ذکر کیا ہے۔
- ii. کفار کے ساتھ مقابلے کی صورت میں مسلمانوں کو کون سے کام کرنے کا حکم دیا گیا ہے۔
- iii. (والذین آمنوا اواھوا جروا و جاھدوا فی سبیل اللہ والذین اووا و نصر و اولیک ہم المؤمنون حقا) کا ترجمہ و تشریح کریں۔
- iv. حدیث کی روشنی میں سب سے بہترین عمل اور بہترین دعا کی وضاحت کریں۔
- v. (من صلی علی مرۃ فتح اللہ لہ بابا من العافیۃ) کا ترجمہ و تشریح لکھیں۔
- vi. قرآن کریم کے فضائل پر نوٹ لکھیں۔
- vii. طہارت کے بارے میں ایک آیت اور ایک حدیث لکھیں۔

نمبر 15

حصہ "ج"

نوٹ:- مندرجہ ذیل میں سے کسی دو سوالات کے تفصیلی جوابات تحریر کریں۔ تمام سوالات کے نمبر برابر ہیں۔

- III. (الف) (وما رمیت اذ رمیت ولكن اللہ رمی) کا ترجمہ و تشریح لکھیں۔
(ب) قرآن کی روشنی میں علم کی فضیلت بیان کریں۔
- IV. (الف) اللہ تعالیٰ نے سورۃ انفال میں قیدیوں کے بارے میں کیا ارشاد فرمایا ہے۔
(ب) رشوت کے بارے میں رسول اللہ ﷺ نے کیا فرمایا ہے۔
- V. (الف) (ان اکمل المؤمنین ایمانا احسنہم خلقا) کا ترجمہ و تشریح لکھیں۔
(ب) رسول اللہ ﷺ سے محبت سے کیا مراد ہے۔

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 36

II. Attempt any SIX Parts out of the following. Each Part carries equal marks.

18

- i. What does the tolerance of Hazrat Muhammad ﷺ teach us?
- ii. How is the youth standard bearer of a nation?
- iii. Why had people become homeless?
- iv. What is the role of generosity in Islamic history?
- v. Explain the point of laughter in the last story?
- vi. Describe the natural beauty of Pakistan?
- vii. How can media bring religious harmony?
- viii. What will you do if some one cuts his foot and is bleeding?

III. Paraphrase one of the following:

5

(a) "And is mine one" said Abou "May, not so".
Replied the angle. Abou spoke more low.
But cheerly still, and said, "I pray thee, then.
Write me as one that loves his fellow men".

(b) As a white candle
in a holly place
So is the beauty of
An aged face.

IV. Read the Stanza carefully & answer the questions given at the end.

8

Her brood gone from her,
And her thoughts as still
As the waters
Under a ruined mill.

Questions:

- (i) Who has gone from her?
- (ii) How are her thoughts now?
- (iii) What is the meaning of brood?
- (iv) Identify simile in the stanza?

V. Read the Passage carefully & answer the questions given at the end.

5

Then I went abroad to pursue my heigher studies and career and could not have the opportunity to meet Zarin Gul, the fantastic shoes maker for several years. After several years. I returned to Peshawar. And the first shop I went to was my old friend, Zarin Gul. I have left a man of fifty. I came back to one of sixty five, worn and torn like an over used pair of shoes.

Questions:

- (i) Why did the person go abroad?
- (ii) Why could he not meet Zarin Gul?
- (iii) Who was Zarin Gul?
- (iv) Where did he return?
- (v) What was the age of Zarin Gul when he come back to meet him?

Note: Translate the following in to Urdu.

5

VI. (a) Secondly in the world of today, media has become almost as necessary as food and clothing. It is true that media is playing an outstanding role in strengthening the society. Its duty is to inform, educate and entertain the people. It helps us to know current situation around the world.

- (b) (i) Quaid-e-Azam was shocked at these happenings.
(ii) There was scarcity of food and water.
(iii) He rarely did so.

3

VII. (a) Write an application to your Principal for an urgent piece of work.

4

OR

Write a letter to your younger brother advising him to take interest in games.

(b) Write a Story with the help of the given outlines.

4

_____ cross a bridge _____ steel a piece of meat _____ see his reflection _____
thinks it for another dog _____ opens his mouth _____ moral.

VIII. Translate the following into English.

8

- | | |
|--------------------------|---------------------------------|
| (1) چلتی کا نام گاڑی ہے۔ | (2) تندرستی ہزار نعمت ہے۔ |
| (3) مال مفت دل بے رحم۔ | (4) کیا آپ میرا ساتھ دیں گے۔ |
| (5) آج بہت سردی ہے۔ | (6) کیا آپ اپنا کام کر چکے ہو۔ |
| (7) وہ آپ کی کون ہے۔ | (8) سورج مغرب میں غروب ہوتا ہے۔ |

OR

Write a dialogue between two friends on Eid-e-Milad-u Nabi ﷺ.

Note: Time allowed for section B and C is one hour & 45 minutes.

SECTION "B"

Marks: 25

II. Attempt any FIVE Parts out of the following. Each Part carries equal marks.

- i. Discuss the main points of legal framework order (LFO).
- ii. Why did Hindus oppose Urdu language?
- iii. Why did Shimla conference fail?
- iv. What is difference between weather and climate?
- v. Write the important points of C.R. formula.
- vi. How did Nehro Report affected the political thinking of the Muslims.
- vii. What is meant by initial problems of Pakistan?

SECTION "C"

Marks: 15

Note: Attempt any TWO questions of the following. Each question carries equal Marks.

- III. Describe Ideology of Pakistan in the light of statement of Allama Iqbal & Quaid-e-Azam.
- IV. What do you know about natural vegetation of Pakistan?
- V. What is objective Resolution? Describe main points of objective resolution.

نوٹ: حصہ ب اور حصہ ج کے لیے کل وقت 1 گھنٹہ اور 45 منٹ ہیں۔

نمبر: 25

حصہ ب

II. مندرجہ ذیل اجزاء میں سے کسی (5) کے مختصر جوابات تحریر کریں۔ تمام اجزاء کے نمبر برابر ہیں۔

- i. لیگل فریم ورک آرڈر (LFO) کے چیدہ چیدہ نکات بیان کریں؟
- ii. ہندوؤں نے اردو زبان کی مخالفت کیوں کی تھی۔
- iii. شملہ کانفرنس کیوں ناکام ہوئی؟
- iv. موسم اور آب و ہوا میں کیا فرق ہے؟
- v. سی۔ آر فارمولے کے اہم نکات تحریر کریں۔
- vi. نہرو رپورٹ مسلمانوں کی سیاسی سوچ پر کس طرح اثر انداز ہوئی؟
- vii. پاکستان کے ابتدائی مسائل سے کیا مراد ہے؟

نمبر: 15

حصہ ج

نوٹ: مندرجہ ذیل سوالات میں سے صرف (2) کے جوابات تحریر کریں۔ تمام سوالات کے نمبر برابر ہیں۔

- III. علامہ اقبال اور قائد اعظم کے فرمودات کی روشنی میں نظریہ پاکستان بیان کریں۔
- IV. پاکستان کے قدرتی نباتات کے بارے میں آپ کیا جانتے ہیں؟
- V. قرارداد مقاصد سے کیا مراد ہے۔ اس کے اہم نکات بیان کریں۔

Roll No. of the Student

Paper Code

مطالعہ پاکستان جماعت (نہم)

Serial No. Of the Answer Book:

وقت: 15 منٹ

نمبر: 10

ہدایات:

- (1) حصہ (الف) کے تمام اجزاء حل کریں۔ ہر سوال کیساتھ چار جوابات دئے گئے ہیں۔ ان میں سے صرف ایک جواب درست ہے۔ آپ نے درست جواب کے دائرے کو سامنے دئے گئے طریقے سے اسی شیٹ میں اور ساتھ ہی OMR شیٹ میں مکمل سیاہ کرنا ہے۔
- (2) دائروں کو (شیٹ) بھرنے کیلئے نیلے یا کالے پن کا استعمال کریں۔ (3) جواب میں ایک سے زیادہ دائرے بھرنے سے جواب غلط تصور ہوگا۔

حصہ الف

- i. I. آخری مثل حکمران کون تھا؟
(A) ظہیر الدین بابر
(B) اورنگزیب
(C) بہادر شاہ ظفر
(D) جلال الدین اکبر
- ii. نہرو رپورٹ کب پیش کی گئی۔
(A) 1926
(B) 1927
(C) 1928
(D) 1828
- iii. پاکستان ایک ----- ریاست ہے۔
(A) سیاسی
(B) معاشی
(C) تصوراتی
(D) نظریاتی
- iv. قائد اعظم نے 14 نکات کب پیش کیے۔
(A) 1928
(B) 1929
(C) 1930
(D) 1931
- v. بنارس کے ہندوؤں نے اردو زبان کے خلاف تحریک کب شروع کی؟
(A) 1867
(B) 1857
(C) 1847
(D) 1817
- vi. پاکستان کے جنوب میں کیا واقع ہے؟
(A) چین
(B) بھارت
(C) افغانستان
(D) بحیرہ عرب
- vii. جواہر لال نہرو کب آل انڈیا نیشنل کانگریس کے صدر منتخب ہوئے۔
(A) 1947
(B) 1946
(C) 1945
(D) 1935
- viii. آل انڈین نیشنل کانگریس کا بانی کون تھا؟
(A) سر سید
(B) اے او بیوم
(C) گاندھی
(D) سر شیخو رحمان
- ix. مسلم لیگ کا قیام کب عمل میں لایا گیا؟
(A) 1907
(B) 1906
(C) 1905
(D) 1904
- x. کرپس مشن کتنے وزیروں پر مشتمل تھا؟
(A) 2
(B) 3
(C) 4
(D) 5

Pak Study Class 9th	Paper Code	Roll No. of the Student					
Time: 15 Minutes	Marks: 10	●					
Multiple Choice Questions 01 Mark for each		②					
		③					
			Serial No. Of the Answer Book				

SECTION-A

Note:

- 1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
- 2) Fill the circle (A)(B)(C)(D), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like
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- I.i. Who was the last Mughal Emperor?

(A) Zaheeruddin Babar	(B) Aurangzeb	(C) Bahadar Shah Zafar	(D) Jalaluddin Akbar
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- ii. When was the Nehru Report presented?

(A) 1926	(B) 1927	(C) 1928	(D) 1828
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- iii. Pakistan is a/an _____ state.

(A) Political	(B) Economical	(C) Imaginary	(D) Ideological
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- iv. When did Quaid-e-Azam announce 14 points?

(A) 1928	(B) 1929	(C) 1930	(D) 1931
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- v. When Hindus of Banaras launched a movement against Urdu language?

(A) 1867	(B) 1857	(C) 1847	(D) 1817
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- vi. What is located in the south of Pakistan?

(A) China	(B) India	(C) Afghanistan	(D) Arabian Sea
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- vii. When Jawahir lal Nehru became president of congress?

(A) 1947	(B) 1946	(C) 1945	(D) 1935
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- viii. Who was the founder of All Indian National Congress?

(A) Sir Syed	(B) A.O Hume	(C) Gandhi	(D) Sir Stafford Cripps
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- ix. When was All-India Muslim league funded?

(A) 1907	(B) 1906	(C) 1905	(D) 1904
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- x. How many cabinet members were there in Cripps mission?

(A) 2	(B) 3	(C) 4	(D) 5
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(الف) دم لیا تھا نہ قیامت نے ہنوز
زندگی یوں بھی گزری جاتی

ہر تیرا وقت سفر یا آیا
کیوں تیرا راہ گزریا آیا

(ب) کہد وان حسرتوں سے کہیں اور بسیں
کتنا ہے بد نصیب ظفر دفن کے لیے

اتنی آگ کہاں ہے، دل داغدار میں
دگر زمین بھی نہ ملی کوئے یار میں

6 VI۔ مندرجہ ذیل اقتباس کو غور سے پڑھ کے نیچے دیے گئے سوالات کے جوابات تحریر کریں۔

نصوح یہ مقام دیکھتے ہی الٹے پاؤں پھرا۔ باہر آیا، تو پھر حوالا تئوں اور زیر تجویزوں میں تھا۔ ان لوگوں میں ہزار ہا آدمی تو اجنبی تھے، مگر جاہ جاشہر اور محلے کے آدمی بھی نظر آتے تھے مگر وہ جو مچکے تھے۔ نصوح کو یہ سامان دیکھ کر اس خواب کی حالت میں ایک حیرت تھی کہ الہی یہ کون سا شہر ہے؟ کسی کی کچھری ہے؟ یہ اتنے مجرم کہاں سے پکڑے ہوئے آئے ہیں؟

- i۔ یہ اقتباس کس سبق سے لیا گیا ہے؟
- ii۔ حوالا تئوں اور زیر تجویزوں سے کیا مراد ہے؟
- iii۔ نصوح کو خواب میں کسی کچھری جانے کا اتفاق ہوا؟

یا

اپنے دوست کو ایک خط لکھیں اور ان سے ادبی کتابوں کی ایک فہرست کا تقاضہ کریں۔

Roll No. of the Student

Paper Code

اردو لازمی جماعت (نہم)

A

B

C

15

نمبر:

20 منٹ

ہدایات:

- (1) حصہ (الف) کے تمام اجزا حل کریں۔ ہر سوال کیساتھ چار جوابات دئے گئے ہیں۔ ان میں سے صرف ایک جواب درست ہے۔ آپ نے درست جواب کے دائرے کو سامنے دئے گئے طریقے سے اسی شیٹ میں اور ساتھ ہی OMR شیٹ میں مکمل سیاہ کرنا ہے۔
- (2) دائروں کو (شیل) بھرنے کیلئے نیلے یا کالے پن کا استعمال کریں۔ (3) جواب میں ایک سے زیادہ دائرے بھرنے سے جواب غلط تصور ہوگا۔

حصہ الف

- i. I. منشی پریم چند کا اصل نام _____ تھا۔
 (A) دھنپت سنگھ (B) دھنپت کمار
 (C) پریم کمار (D) دھنپت رائے
- ii. _____ کے تمام ناول معاشرتی اور گھریلو مسائل کے متعلق ہیں۔
 (A) الطاف حسین حالی (B) نذیر احمد
 (C) شبلی (D) کرمل محمد خان
- iii. _____ کو دیکھ کر نصیر کامر جھایا ہوا چہرہ روشن ہو گیا۔
 (A) مشاکرہ (B) صابر حسین
 (C) ما (D) عباسی
- iv. "دستک" ایک _____ ہے۔
 (A) افسانہ (B) ناول
 (C) ڈراما (D) داستان
- v. نصح دہلی کا ایک _____ شخص تھا۔
 (A) مالدار (B) غریب
 (C) لاپچار (D) فقیر
- vi. میں نے _____ پہ لڑکپن میں اسد۔
 (A) عاشق (B) محبوب
 (C) قیس (D) مجنون
- vii. فرحت اللہ بیگ ادیب کے علاوہ _____ بھی تھے۔
 (A) جج (B) وکیل
 (C) مجسٹریٹ (D) تھانیدار
- viii. امتیاز علی تاج نے 22 سال کی عمر میں اپنا مشہور ڈراما _____ لکھا تھا۔
 (A) آرام و سکون (B) دستک
 (C) انارکلی (D) ان میں سے کوئی نہیں
- ix. شبلی نعمانی نے _____ میں وفات پائی۔
 (A) 1912 (B) 1914
 (C) 1916 (D) 1918
- x. نظم "نعت" کے شاعر کا نام _____ ہے۔
 (A) امیر مینائی (B) نظیر اکبر آبادی
 (C) علامہ اقبال (D) حالی
- xi. انسان کی حال میں خوش نہیں رہتا کے مصنف کا نام _____ ہے۔
 (A) شبلی نعمانی (B) سر سید احمد خان
 (C) نذیر احمد (D) محمد حسین آزاد
- xii. آنحضرت ﷺ سائیکل سے نہایت _____ کرتے۔
 (A) محبت (B) نفرت
 (C) پیار (D) تاکید
- xiii. 1857 کے ہنگامے میں سر سید نے بہت سے _____ کی جائیں بچائیں۔
 (A) انگریزوں (B) مسلمانوں
 (C) ہندوؤں (D) ہندوستانیوں
- xiv. اس کی آنکھ وحیانہ تھی مگر نگاہ میں افسردگی تھی اور نام اس کا _____ تھا۔
 (A) رستم (B) وہم
 (C) انسان (D) شیطان
- xv. مقدمہ شعر و شاعری، حیات سعدی _____ کی تصانیف ہیں۔
 (A) سعدی (B) کرمل محمد خان
 (C) الطاف حسین حالی (D) آزاد

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 32

II. Attempt any EIGHT Parts out of the following. Each Part carries equal marks.

- i. Differentiate between base quantities and derived quantities by giving at least two examples of each.
- ii. Find the number of seconds in the month of November, and express the number in power of 10 notation.
- iii. An air craft takes off at 295km/h after accelerating from rest at 2.80m/s^2 . What is the minimum runway length required.
- iv. Why a balloon filled with air move forward, when its air is released?
- v. In uniform circular motion, is the velocity constant? Is the acceleration constant? Explain.
- vi. A force of 100N is acting on a body by making 60° angle with horizontal. Find its horizontal & vertical components.
- vii. Why does wearing high. Heeled Shoes Sometimes cause lower back pain?
- viii. Why for same height larger and smaller satellites must have same orbital speeds?
- ix. An object of mass 10kg is lifted vertically through a height of 5m at a constant speed. What is the gravitational potential energy gained by the object?
- x. Which material is more elastic, steel or rubber and why?
- xi. Why are small gaps left behind the girders mounted in walls?

SECTION "C"

Marks: 21

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

- III. (a) State and explain Newton's three laws of motion. 4
(b) A car starts from rest and moves with uniform acceleration of 1.9m/s^2 for 12sec. Find the velocity & distance covered? 3
- IV. (a) How is the value of 'g' changing by going to higher altitude? Write the relevant formula? 4
(b) Define kinetic energy. Derive the expression used for kinetic energy. 3
- V. (a) What is atmospheric pressure? How is it measured by using a mercury barometer? 4
(b) A rectangular glass block of dimensions 30cm by 5cm by 10cm weighs 37.5N. Calculate the least and the greatest pressure it can exert when resting on a horizontal table? 3
- VI. (a) Define heat capacity and specific heat capacity of a substance. Explain the importance of high specific heat capacity of water. 4
(b) Discuss the green house effect. Explain its importance and global warming concern. 3

PHYSICS (New) Class 9th Time: 20 Minutes Marks: 12 Multiple Choice Questions 01 Mark for each	Paper Code ① ● ③	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Roll No. of the Student</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> </table> Serial No. Of the Answer Book _____	Roll No. of the Student							
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SECTION-A

Note:

- 1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
- 2) Fill the circle (A)(B)(C)(D), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like ●
- 3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer.

- I.i. Two equal and opposite parallel forces acting different lines on a body constitute _____.
- (A) A couple (B) Moment arm (C) Torque (D) Momentum
- ii. The Value of 'g' at equator is _____.
- (A) Same at poles (B) Longer at poles (C) Smaller at poles (D) None of these
- iii. Kwh is unit for _____.
- (A) Power (B) Efficiency (C) Energy (D) None of these
- iv. Young modulus is measured in units of _____.
- (A) Kgm^{-3} (B) Pa (C) N (D) None of these
- v. The S.I unit of heat is _____.
- (A) J (B) Kg (C) K^{-1} (D) Watt
- vi. The transfer of heat from one place to another by the bulk motion of fluids is called _____.
- (A) Radiation (B) Conduction (C) Convection (D) None of these
- vii. The least count of Vernier Caliper is _____.
- (A) 1cm (B) 0.1cm (C) 1mm (D) 0.1mm
- viii. The slope of distance time graph represents.
- (A) Acceleration (B) Distance (C) Speed (D) Displacement
- ix. Which of the following is a vector quantity.
- (A) Distance (B) Mass (C) Displacement (D) Time
- x. 72km/hr is equal to _____.
- (A) 20ms^{-1} (B) 36ms^{-1} (C) 60ms^{-1} (D) 10ms^{-1}
- xi. The time rate of change of linear momentum of a body is equal to _____.
- (A) Torque (B) Acceleration (C) Force (D) Velocity
- xii. The centripetal acceleration for an object of mass 1kg moving with 4ms^{-1} in a circle of radius 2m is _____.
- (A) 18ms^{-2} (B) 16ms^{-2} (C) 12ms^{-2} (D) 8ms^{-2}

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 32

I. Attempt any EIGHT Parts out of the following. Each Part carries equal marks.

- i. Define. i. Cell ii. Tissue iii. Organ iv. Organ System.
- ii. Write four Aims of classification.
- iii. What are the Characteristics of Kingdom Monera?
- iv. Write note on Cytoplasm.
- v. Discuss the Turgor.
- vi. Explain the Necrosis.
- vii. Discuss ATP as the energy currency of cells.
- viii. What is meant by Anaerobic respiration?
- ix. Discuss Role of Nitrogen in plants.
- x. What is meant by Vitamin "D".
- xi. Explain how food substances are transported in plants.

SECTION "C"

Marks: 21

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

- | | | |
|------|--|---|
| III. | (a) Define Molecules and Compounds. | 3 |
| | (b) Write & explain the process of cellular organization. | 4 |
| IV. | (a) Discuss Data organization & Data Analysis. | 3 |
| | (b) How mathematics is an integral part of scientific process. | 4 |
| V. | (a) Write characteristic of Kingdom Fungi. | 3 |
| | (b) Explain conservation of Biodiversity. | 4 |
| VI. | (a) Write note on Ribosomes. | 3 |
| | (b) What is meant by plasmolysis? | 4 |

BIOLOGY (New) Class 9th

Time: 20 Minutes

Marks: 12

Multiple Choice Questions
01 Mark for each

Paper Code

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②

③

Roll No. of the
Student

Serial No. Of the Answer Book _____

SECTION-A

Note:

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I.i. The study of Microorganisms is called?

- (A) Botany (B) Anatomy (C) Microbiology (D) Taxonomy

ii. One of the following is not a Macromolecule?

- (A) Glucose (B) Sucrose (C) Fatty Acid (D) Protein

iii. Which one is the first step in Biological Method?

- (A) Hypothesis (B) Experiment (C) Observations (D) Deduction

iv. Plasmodium is an example of?

- (A) Plantae (B) Protista (C) Fungi (D) Animalia

v. Which one is the Basic Unit of Classification?

- (A) Genus (B) Species (C) Order (D) Family

vi. Which one of the following has both cytoplasm & Cell wall?

- (A) Muscle Cell (B) Red Blood Cell (C) Root Hair Cell (D) Xylem Vessel

vii. The division of Cytoplasm is called?

- (A) Karyokinesis (B) Cytokinesis (C) Plasmolysis (D) Osmosis

viii. In which one of the following Meiosis takes place?

- (A) Testes (B) Lungs (C) Heart (D) Stomach

ix. Photosynthesis is combination of two words.

- (A) Greek (B) Latin (C) English (D) None of these

x. In which one of the following Glycolysis Takes place?

- (A) Cell Wall (B) Nucleus (C) Cytoplasm (D) None of these

xi. Which substance is used by plants to make proteins?

- (A) Carbon Dioxide (B) Oxygen (C) Nitrates (D) Vitamins

xii. Which cells of Blood are responsible for clotting?

- (A) Platelets (B) Erythrocytes (C) Neutrophils (D) Basophils

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 36

II. Attempt any NINE Parts out of the following. Each Part carries equal marks.

- i. Prove that $(C-D)^t = c^t - D^t$ when $C = \begin{bmatrix} 7 & 3 \\ 5 & 3 \end{bmatrix}$ & $D = \begin{bmatrix} 1 & 1 \\ 3 & 3 \end{bmatrix}$
- ii. Divide $Z_1 = 3i + 4$ by $Z_2 = 1 - i$.
- iii. Solve the system of linear equations using inversion method $x - 3y = 0$, $2x + y = 7$.
- iv. Simplify $\frac{(ab)^{\frac{1}{b}}}{\left(\frac{1}{ab}\right)^{\frac{1}{a}}}$
- v. Simplify with the help of logarithm $\frac{2.83}{(6.52)^3}$
- vi. Simplify with the help of formula $(x^a + y^b)(x^{2a} - xy^{ab} + y^{2b})$.
- vii. If $x = \sqrt{10} + 3$, Find the values of $x - \frac{1}{x}$ and $x^2 + \frac{1}{x^2}$.
- viii. Factorize $2x^3 - 128$.
- ix. Simplify $\frac{x-y}{x+y} - \frac{x^2-2y^2}{x^2-y^2}$
- x. Find HCF by division method $y^3 - 3y + 2$ & $y^3 - 5y^2 + 7y - 3$.
- xi. Solve for x, $-5x + 1 = 0$.
- xii. What is the distance between two points with coordinates of $(1, -5)$ and $(-5, 7)$?

SECTION "C"

Marks: 24

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

- III. Prove that $A(-1, 3)$, $B(-4, 7)$, $C(0, 4)$ is an isosceles triangle.
- IV. If two sides of a triangle are unequal in length, the longer side has an angle of greater measure opposite to it.
- V. If two triangles are similar, then the measure of their corresponding sides are proportional.
- VI. Construct $\triangle xyz$. Whose $m \overline{xy} = 4.6$ cm, $m \overline{yz} = 5$ cm and $m \overline{zx} = 5.1$ cm. Draw angle bisectors of the triangle, and verify that these are concurrent.



SECTION-A

Note:

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I.i. In $\triangle ABC$, Medians \overline{AD} , \overline{BE} and \overline{CF} intersect at G . If $CF=24$, what is the length of \overline{FG} ?

- (A) 8 (B) 12 (C) 10 (D) 16

ii. In $\triangle ABC$, $m\angle A=45^\circ$, $m\angle B=55^\circ$, $m\angle C=80^\circ$. Which one of the following is the longest side.

- (A) \overline{AC} (B) \overline{BC} (C) \overline{AB} (D) None of these

iii. If two triangles have equal area then they will be _____ be congruent as well.

- (A) Not necessarily (B) Necessarily (C) Definitely (D) None of these

iv. The centroid of a triangle divide the medians into the ratio of _____.

- (A) 5:1 (B) 4:1 (C) 3:1 (D) 2:1

v. Parallelogram having same base and same altitude are _____.

- (A) Congruent (B) Equal in Area (C) Similar (D) All of these

vi. Diagonals of a square are _____ to each other.

- (A) Perpendicular (B) Not Congruent (C) Congruent (D) Parallel

vii. Three or more points lie on the same line are called _____.

- (A) Non-Collinear (B) Collinear (C) Non-Singular (D) Singular

viii. The line $x=a$ where a is a real number is parallel to _____.

- (A) y-axis (B) x-axis (C) Both x-axis & y-axis (D) Neither x-axis nor y-axis

ix. Which one is the solution set of $-x/=-0$

- (A) $\{-1\}$ (B) $\{1\}$ (C) $\{\}$ (D) $\{0\}$

x. L.C.M of $(x-y)^4$ and $(x-y)^3$ is _____.

- (A) $x-y$ (B) $(x-y)^3$ (C) $(x-y)^4$ (D) $(x-y)^7$

xi. Factorization of $x^2+10x+21$ is _____.

- (A) $(x+10)(x+21)$ (B) $(x-10)(x-21)$ (C) $(x-3)(x-7)$ (D) $(x+3)(x+7)$

xii. If $x=2$, $y=-3$ then $(2x)^2-(3y)^2=$ _____.

- (A) -65 (B) -66 (C) -67 (D) -68

xiii. If $\log_2 8=x$ then $x=$ _____.

- (A) 64 (B) 3^2 (C) 2^8 (D) 3

xiv. $a(b+c)=axb+axc$, here the property used is _____.

- (A) Commutative (B) Associative (C) Distributive (D) Closure

xv. Which of the following is the multiplicative inverse of $\begin{bmatrix} 1 & 2 \\ 0 & 1 \end{bmatrix}$

- (A) $\begin{bmatrix} 1 & 2 \\ 0 & 1 \end{bmatrix}$ (B) $\begin{bmatrix} 1 & -2 \\ 0 & 1 \end{bmatrix}$ (C) $\begin{bmatrix} -1 & 2 \\ 0 & 1 \end{bmatrix}$ (D) $\begin{bmatrix} 1 & -2 \\ 0 & -1 \end{bmatrix}$

Note: Time allowed for section B and C is 2 hours and 40 minutes.

Marks: 32

SECTION "B"

II. Attempt any EIGHT Parts out of the following. Each Part carries equal marks.

- i. What are the contribution of Muslim scientist Ibne-Sina in the field of Chemistry?
- ii. Calculate the mass of 3moles of ice?
- iii. Write the electronic configuration of $_{11}\text{Na}^{23}$, $_{17}\text{Cl}^{35}$, $_{6}\text{C}^{12}$ and $_{20}\text{Ca}^{40}$.
- iv. Why atom is considered as neutral particle. Give reason?
- v. Which element of group IA is not an alkali metal and why?
- vi. Name the four factors which affect electron affinity?
- vii. Differentiate b/w octet rule and Duplet rule with example?
- viii. What is evaporation? Also name the factor which affect evaporation.
- ix. What is molarity.
- x. Differentiate b/w oxidation and reduction.
- xi. Write uses of Calcium.

SECTION "C"

Marks: 21

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

- III. (a) State and explain with examples the empirical formula of a compound.
(b) What are the defects in Rutherford Atomic Model?
- IV. (a) Define ionization Potential what is the trend of ionization potential in periodic table?
(b) Explain Polar Covalent bond with example.
- V. (a) Describe the typical properties of Gases?
(b) Calculate the molar mass of NaOH.
- VI. (a) Differentiate b/w hard and soft metals?
(b) What is Electroplating?

CHEMISTRY (New) Class 9th Time: 20 Minutes Marks: 12 Multiple Choice Questions 01 Mark for each	Paper Code <input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> 3	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 2px;">Roll No. of the Student</td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> </tr> </table> Serial No. Of the Answer Book _____	Roll No. of the Student							
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SECTION-A

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- I.i. The gain of electron is called _____.
- (A) Oxidation (B) Reduction (C) Ionization (D) Hydration
- ii. The word alkali means _____.
- (A) Base (B) Basic Salt (C) Acid (D) Ashes
- iii. Elements of group VII A are called _____.
- (A) Alkali Metal (B) Transition Element (C) Halogens (D) Alkaline earth metal
- iv. Milk is an example of _____.
- (A) Solution (B) Saturated Solution (C) Colloids Solution (D) Suspension
- v. Carbon exists in _____ crystalline allotropic forms.
- (A) Two (B) Three (C) Four (D) Five
- vi. An atom with a charge is called _____.
- (A) An electron (B) A molecule (C) A metal (D) An ion
- vii. The covalent bond in which only one atom donates the shared pair of electron is called _____.
- (A) Ionic bond (B) Covalent bond (C) Dative bond (D) Metallic bond
- viii. Shielding effect is due to _____.
- (A) Neutron (B) Proton (C) Proton and neutron (D) Electron
- ix. The mass of electron is _____.
- (A) 1.0086 amu (B) 1.0072 amu (C) 1.009 amu (D) 0.00054 amu
- x. Isotopes of the same element have _____.
- (A) Same number of protons (B) Same number of neutrons (C) Different number of electrons (D) Same mass number
- xi. The study of qualitative and quantitative analysis of matter is called _____.
- (A) Environmental Chemistry (B) In-organic Chemistry (C) Analytical Chemistry (D) Physical Chemistry
- xii. _____ is generally known as the father of the chemistry.
- (A) Al-Razi (B) Jabber Ibn Hayan (C) Al-Beruni (D) Ibne-Sina