

Version No.			

ROLL NUMBER					



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Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Outlines of Home Economics SSC–II Half Yearly Examination 2022

SECTION – A (Marks 15)

Time allowed: 15 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پینسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

1. What is the length of textile fiber?	<input type="radio"/>	2 mm	<input type="radio"/>	3 mm	<input type="radio"/>	4 mm	<input type="radio"/>	5 mm
2. Which natural fiber breaks with force?	<input type="radio"/>	Cotton	<input type="radio"/>	Silk	<input type="radio"/>	Wool	<input type="radio"/>	Linen
3. Which fiber is allergy friendly in all?	<input type="radio"/>	Cotton	<input type="radio"/>	Nylon	<input type="radio"/>	Silk	<input type="radio"/>	Wool
4. Which fiber is known as the queen of cloth?	<input type="radio"/>	Dacron	<input type="radio"/>	Polyester	<input type="radio"/>	Silk	<input type="radio"/>	Rayon
5. Horizontal lines give an impression of!	<input type="radio"/>	Tallness	<input type="radio"/>	Fatness	<input type="radio"/>	Roundness	<input type="radio"/>	Pulling
6. Colors have different influences on...	<input type="radio"/>	Gender	<input type="radio"/>	Age	<input type="radio"/>	Mood	<input type="radio"/>	None of these
7. Which color is not suitable for a triangle face?	<input type="radio"/>	V Shape	<input type="radio"/>	U Shape	<input type="radio"/>	Round Shape	<input type="radio"/>	Square Shape
8. Which colors are used for the age of 18 to 25 years?	<input type="radio"/>	Decent	<input type="radio"/>	Dull	<input type="radio"/>	Black	<input type="radio"/>	Bright
9. How many aspects of Home Economics are there?	<input type="radio"/>	One	<input type="radio"/>	Three	<input type="radio"/>	Two	<input type="radio"/>	Four

-
10. How many types of resources are there? One Two Three Four
-
11. A balance between income and expenditure can be better explained with the help of? Budget Balance Expenditure Resources
-
12. How many goals the management of energy consist of? Three Four Five Six
-
13. Management keeps us safe from..... Inability Success Mismanagement Cooperation
-
14. Which personality gives importance to cleanliness and neatness in their lives? Study Dainty Demure Dignified
-
15. From which source silk is obtained? Linters Silkworm Cotton Linters Plants
-



Pakistan International School
Half Yearly Examination 2022
Essential of Home Economics SSC II

Time allowed: 2.45 hours

Total Marks: 60

Note: Answer any TWELVE parts from Section 'B' and attempt any THREE questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (12 x 3 = 36 Marks)

Q2. Attempt any twelve parts. All parts carry equal marks.

- 1) Define Textile
- 2) What do you mean by fiber? Write names of different types of fibers.
- 3) Define fabric. List different methods of fabric making.
- 4) Through which resources are natural fiber obtained?
- 5) List down some common man-made fibers.
- 6) Define stitching.
- 7) List down the basic colors.
- 8) Draft the factors play a role in the selection and making of dress.
- 9) Discuss the factors of the suitability of dress depends upon.
- 10) Draft factors one should keep in mind while remodeling a dress.
- 11) Define Management.
- 12) Define Values
- 13) Discuss the importance of values in our lives.
- 14) List the types of goals.
- 15) Define Budget.
- 16) Discuss the elements contributes in making the work simple and easy.
- 17) Define plain weave.

SECTION – C (3X8=24 Marks)

Q3. Attempt any three of the following.

- 1) Discuss the characteristics of cotton and linen fiber and cloth made out of them.
- 2) Discuss the effects of use of lines in dress making on personality, facial features and height.
- 3) Draft the steps included in decision making.
- 4) Devise how should we select a dress according to the type of personalities.

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Answer Sheet No. _____

Class/Sec: _____

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Sign of Invigilator: _____

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Art and Model Drawing SSC-II
Half Yearly Examination 2022
SECTION – A (Marks 07)
Time allowed: 20 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پینسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

1. Sculpture of the starving Buddha is ... cm in size.	<input type="radio"/> 53* 83	<input type="radio"/> 53*73	<input type="radio"/> 73*83	<input type="radio"/> 63*53
2. Makli graveyard was added to the World Heritage list in.....	<input type="radio"/> 1982	<input type="radio"/> 1984	<input type="radio"/> 1983	<input type="radio"/> 1981
3. Sculpture of the dancing girl is inc h high.	<input type="radio"/> 4	<input type="radio"/> 4.5	<input type="radio"/> 5	<input type="radio"/> 5.5
4. Shahid Sajad learned wax cast technique from artist.	<input type="radio"/> Chinese	<input type="radio"/> Japanese	<input type="radio"/> Turkish	<input type="radio"/> None of these
5. What is the length of the axe which is found in the Indus valley?	<input type="radio"/> 11 inches	<input type="radio"/> 12 inches	<input type="radio"/> 10 inches	<input type="radio"/> 12 inches
6. Rabia Zuberi was the lady sculptor of Pakistan.	<input type="radio"/> 3rd	<input type="radio"/> 1st	<input type="radio"/> 2nd	<input type="radio"/> 6th
7.was done by hand on Chaukhandi graves.	<input type="radio"/> Art	<input type="radio"/> Calligraphy	<input type="radio"/> Embroidery	<input type="radio"/> None of these



Pakistan International School
Half Yearly Examination 2022
Art and Model Drawing: SSC II

Time allowed: 2.10 hours

Total Marks: 28

Note: Answer any SIX parts from Section 'B' and attempt any ONE question from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 18)

Q#2. Attempt any Six (6) parts from the following:

6x3=18

- i. What is Relief?
- ii. Indus Valley Sculpture is famous about its crafts. Briefly explain King Priest.
- iii. Shahid Sajjad was the sculptor of Pakistan. Write in your words.
- iv. Explain Sculpture and its types.
- v. Write any six characteristics of Makli Hills.
- vi. "Bronze sculpture found at Indus Valley was sophisticated" Discuss .
- vii. Describe Coins of Indus Valley.
- viii. How Indus Valley people make their Armour? Explain.
- ix. Pen down main features of Sculpture of Fasting Buddha.

SECTION – C (Marks 10)

Note: Attempt any **ONE** question. All questions carry equal marks. (1 × 10 = 10)

Q3: Rabia Zuberi was the great Sculptor of Pakistan. Write detail.

Q4: Chaukhandi graves are still on the floor give the reason that why it it famous for?

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Answer Sheet No. _____

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Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Biology SSC–II

Half Yearly Examination 2022

SECTION – A (Marks 12)

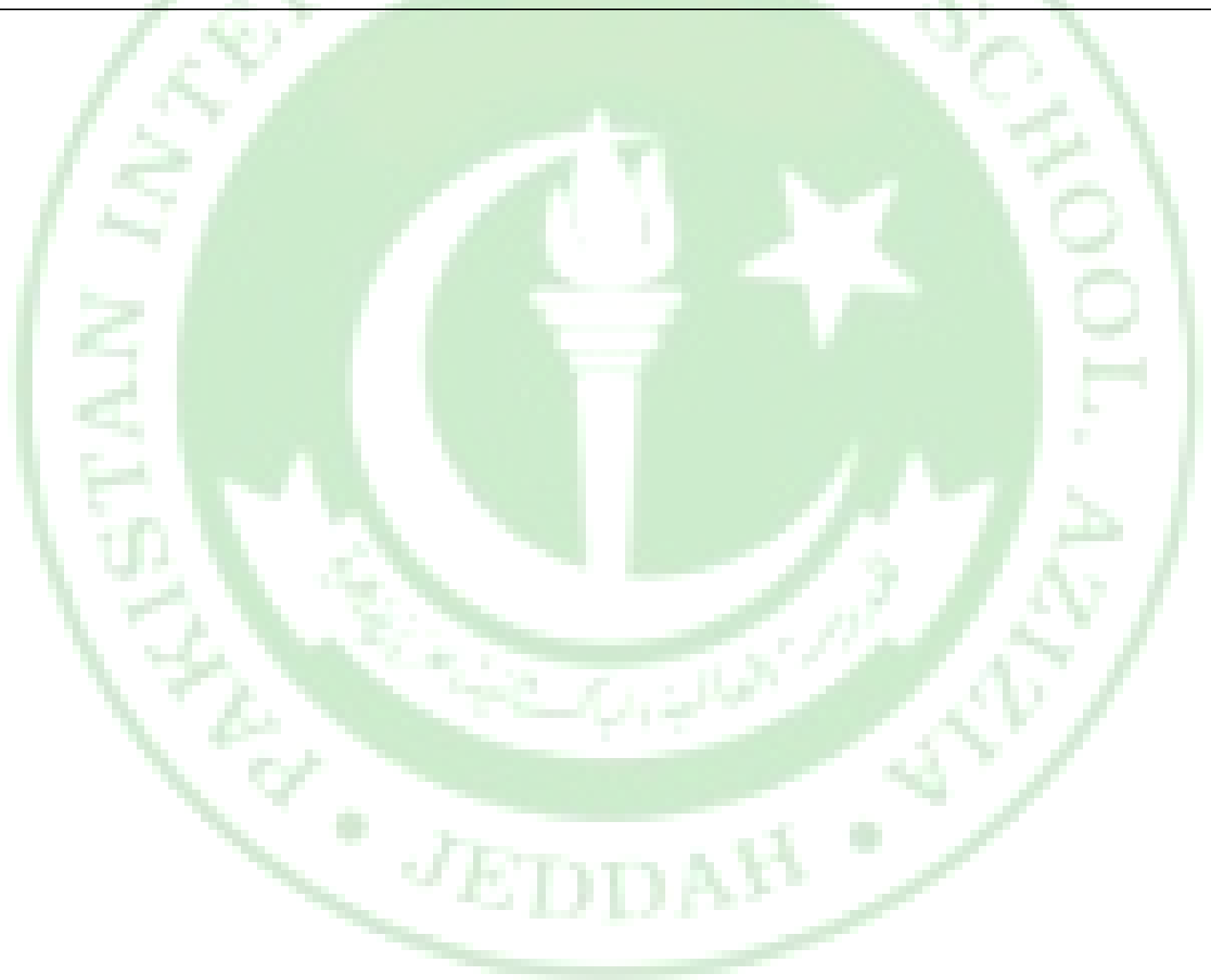
Time allowed: 15 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پنسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

1. Point out the false statement about respiration.	<input type="radio"/> Gases can easily pass through the walls of the alveoli	<input type="radio"/> Gas exchange in lungs is very efficient because lungs provide large surface area	<input type="radio"/> In emphysema the walls of alveoli break and there is more surface area	<input type="radio"/> Dust particles can damage the lung by irritating the inner alveoli surface
2. Which part of the female reproductive system receives egg cells from the ovary?	<input type="radio"/> Fallopian tube	<input type="radio"/> Uterus	<input type="radio"/> Vagina	<input type="radio"/> Cervix
3. 'Body balance' of water, salts, temperature and glucose is termed as:	<input type="radio"/> Excretion	<input type="radio"/> Tubular secretion	<input type="radio"/> Homeostasis	<input type="radio"/> Reabsorption
4. Aspirin is categorized as:	<input type="radio"/> A drug from animals	<input type="radio"/> A synthetic drug	<input type="radio"/> A drug from plants	<input type="radio"/> A drug from minerals
5. First polar body formed in oogenesis is as a result of :	<input type="radio"/> Meiosis-I	<input type="radio"/> Meiosis-II	<input type="radio"/> Mitosis	<input type="radio"/> None of them
6. During peritoneal dialysis, the waste materials move from:	<input type="radio"/> The abdomen to the dialysis fluid	<input type="radio"/> The dialysis fluid to the peritoneum blood vessels	<input type="radio"/> The peritoneum blood vessels to the dialysis fluid	<input type="radio"/> The dialysis fluid to the abdomen
7. The optimum temperature for the germination of the seeds of most plants ranges from:	<input type="radio"/> 20-30°C	<input type="radio"/> 30-35°C	<input type="radio"/> 15-20°C	<input type="radio"/> 25-30°C

-
8. Which structure actively helps in taking the air out of lungs? Nasal cavity Bronchus Bronchiole Diaphragm
-
9. How many spermatids are produced from each primary spermatocyte? Two haploid spermatids One diploid spermatid Four haploid spermatids Four diploid spermatids
-
10. Sulfonamides affect bacteria in the following way: Break the cell wall Inhibit protein synthesis Stop the synthesis of new cell wall Stop the synthesis of folic acid
-
11. The appearance of drops of water on the tips or edges of leaves is called : Evaporation Guttation Transpiration Condensation
-
12. Pollination is the transfer of pollens from: Anther to stigma Stigma to anther Sepal to petal Anther to petal
-





Pakistan International School
Half Yearly Examination 2022
BIOLOGY SSCII

Time allowed: 2.45 hours

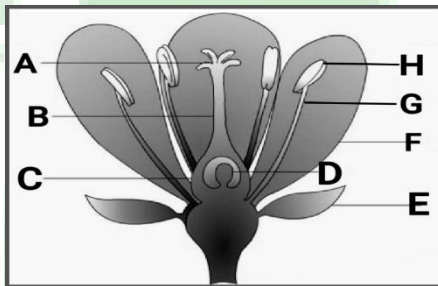
Total Marks: 65

Note: Answer any Eleven parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 33)

Q1. Attempt any eleven parts from the following . All parts carry equal marks. Be brief and to the point. (11×3=33)

- i. How will you differentiate between a stoma and a lenticel?
- ii. Define xerophytes. Briefly write about their osmotic adjustments.
- iii. What do you know about corms and bulbs?
- iv. What conditions are necessary for the germination of seeds?
- v. Differentiate between narcotics and hallucinogens.
- vi. What steps are involved in the formation of urine in the kidneys?
- vii. How does the tobacco smoke damage the respiratory system?
- viii. Label the following figure:



- ix. Describe the main groups of antibiotics.
- x. Write a note on pneumonia.
- xi. List the structural features of nasal cavity and write the function of each one of them in breathing.
- xii. What are the advantages of vegetative propagation in plants?
- xiii. How do B-lymphocytes provide immunity against pathogens?
- xiv. Give a comparison between external and internal fertilization.
- xv. How are drugs classified? Give examples to justify your answer.

SECTION – C (Marks 20)

Note: Attempt any two questions. All questions carry equal marks. (2×10=20)

- Q3.** a. What are kidney stones? Write about their causes, symptoms and methods of treatment.
 b. Write a note on oogenesis along with an illustrative diagram.
- Q4.** a. Explain the structure of a nephron along with a labelled diagram of nephron.
 b. Explain the various sources of medicinal drugs.
- Q5.** a. Write a detailed note on sexual reproduction in flowering plants.
 b. Write a note on asthma. Mention its causes, symptoms and treatment.



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Answer Sheet No. _____

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Chemistry SSC-II
Half Yearly Examination 2022
SECTION – A (Marks 12)
Time allowed: 20 Minutes

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Section – A is compulsory. All parts of this Section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q1. Fill the relevant bubble for each part. Each part carries one mark.

1. Phenolphthalein is an indicator which is used in titration. Predict the color in base.	<input type="radio"/> Red	<input type="radio"/> Yellow	<input type="radio"/> Colourless	<input type="radio"/> Pink
2. Identify the class of compound to which $CH_3 - CH_3 - CH_2 - CO - CH_3$ belongs to:	<input type="radio"/> aldehyde	<input type="radio"/> ether	<input type="radio"/> ester	<input type="radio"/> Ketone
3. Propose which one of the following gives addition reaction:	<input type="radio"/> Methane	<input type="radio"/> Ethane	<input type="radio"/> Propyne	<input type="radio"/> Propane
4. Identify, which one of the following is used for the reduction of Alkyl Halides?	<input type="radio"/> Mg/HCl	<input type="radio"/> Na/HCl	<input type="radio"/> Cu/HCl	<input type="radio"/> Zn/HCl
5. Marble Buildings are disintegrated by acid rain because of the reaction of acid with:	<input type="radio"/> Calcium Carbonate	<input type="radio"/> Calcium Oxalate	<input type="radio"/> Calcium Sulphate	<input type="radio"/> Calcium Nitrate
6. The end product of the reaction of acetylene with concentrated alkaline $KMnO_4$ is oxalic acid. In this reaction acetylene undergoes:	<input type="radio"/> reduction	<input type="radio"/> oxidation	<input type="radio"/> substitution	<input type="radio"/> Rearrange ment

7. The pH of 10^{-3}M aqueous solution of NaOH is:

3

11

2

9

8. For a reversible reaction given below the unit of K_c is: $2\text{SO}_2 + \text{O}_2 \rightarrow 2\text{SO}_3$

 $\text{mol}^{-1} \text{dm}^3$ $\text{mol}^{-1} \text{dm}^{-3}$ $\text{mol}^1 \text{dm}^3$ Mol. dm^{-3}

9. Ammonia is a Lewis Base because,

Contains OH group

Ionizes in water to give OH^- ions

Can donate electron pair

Can accept an electron pair

10. Which of the following is a Lewis Base?

 BF_3

HCl

 AlCl_3 F^-

11. CHCl_3 is the formula of ?

chloromethane

chloroform

Dichloromethane

Carbontetrachloride

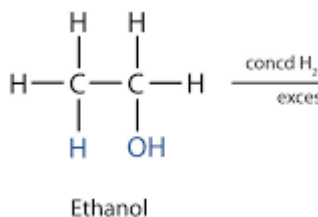
12. Dehydration of Ethanol produced

aldehyde

Ethene

ketone

Ether





Pakistan International School
Half Yearly Examination 2022
Chemistry SSCII

Time allowed: 2.40 hours

Total Marks: 33

Note: Answer any Eleven parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 11x3 =33)

Q2. Attempt any eleven parts. All parts carry equal marks.

- i. The reaction between PCl_3 and Cl_2 produces PCl_5 gas. Derive Kc unit for this reaction with the help of balanced chemical equation.
- ii. Identify X in the chemical equation given below $\text{CH}_3 - \text{CH}_2 - \text{CH} = \text{CH} - \text{CH}_3 + \text{Br}_2 \rightarrow \text{X}$
- iii. Demonstrate Lowry-Bronsted concept of acids and bases with the help of chemical equation between CH_3COOH and H_2O .
- iv. H_3PO_4 donates three hydrogen ions. Reaction of KOH with H_3PO_4 gives three salts. KH_2PO_4 , K_2HPO_4 and K_3HPO_4 . Identify the nature of each salt and write reaction for the formation of each.
- v. Interpret importance of Equilibrium Constant.
- vi. Concentration of an aqueous solution of potassium hydroxide $1.0 \times 10^{-3} \text{ mol/dm}^3$. What is its pH? Is this solution acidic, basic or neutral?
- vii. Write down balanced chemical equations showing the formation of salt: a. reaction of HCl with Al metal
b. reaction of HCl acid with calcium carbonate.
- viii. Write the structural formulas of the following: a. neo-Heptane b. Butanal c. Hexanoic acid
- ix. Differentiate between homocyclic and heterocyclic compound with the help of structural formula. Also Draw Furan, Pyridine & Thiophene.
- x. How will you differentiate between Ethane and Ethene using a chemical test.
- xi. Identify the functional group in the following organic compounds, (i) CH_3COCH_3 (ii) CH_3COOH (iii) CH_3OCH_3
- xii. Elaborate concept of vinyl chloride, with the help of chemical reaction.
- xiii. Analyze any three methods of making salts
- xiv. Why water is called amphoteric compound? Justify it.
- xv. *Elaborate the following Statement by giving suitable justifications.*

1. Why Milk of Magnesia used as antacid tablets?	
2. Which organic compound is used as Ripening of Fruits?	
3. Fractional Distillation is used for what?	

SECTION – C (2x10 =20 Marks)

Q.No.3. (a) How can we convert ,

i.Ethene into Ethane

ii.Ethene into glycol

iii.Ethyl Bromide into ethene?

(6)

(b) Discuss the Reaction & Mechanism of Acetylene with KMnO_4 .

(4)

Q.NO.4.(a) What is Functional Group? Interpret in detail those Functional Groups in which $\text{C}=\text{O}$ exists.

(6)

(b) How many possible products are there when ethane reacts with Chlorine in the presence of diffused sunlight?

(4)

Q.NO.5 (a)Analyze Law of Mass Action in detail.

(5)

b) How has Le-Chatlier's principle made it possible to get maximum amount of product from Habers process & Contact process?

(5)



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Answer Sheet No. _____

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Education SSC–II Half Yearly Examination 2022

SECTION – A (Marks 15)

Time allowed: 20 Minutes

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Q1. Fill the relevant bubble for each part. Each part carries one mark.

- The first educational conference in Pakistan was held in.

پاکستان میں پہلی تعلیمی کانفرنس کب منعقد کی گئی؟

1945 AD 1947 AD 1949 AD 1951 AD
- The existing educational policy of Pakistan is.....

پاکستان کی موجودہ تعلیمی پالیسی ہے۔

1979 AD 1972 AD 1998- 2010 AD 2010- 2015 AD
- Education has an importance in all educational policies.

تمام تعلیمی پالیسیوں میں کس تعلیم کو اہمیت حاصل ہے؟

Scientific سائنسی Professional پیشہ ورانہ Art فنی Elementary ثانوی
- What is the duration of Secondary Education in Pakistan?

پاکستان میں ثانوی تعلیم کا دورانیہ ہے۔

6 years 4 years 2 years 8 years
- Pakistan basically is a country.

پاکستان بنیادی طور پر ملک ہے۔

Developed ترقی یافتہ Agricultural زرعی Industrial صنعتی Democratic جمہوری
- Elementary education is the..... stage of Pakistan.

پاکستان میں ثانوی تعلیم کا درجہ ہے۔

1st 2nd 3rd 4th
- Into how many types can education be divided in Pakistan?

پاکستان میں تعلیم کو کتنی اقسام میں تقسیم کیا گیا ہے؟

2. دو 3. تین 4. چار 5. پانچ
- Curriculum achieves.

نصاب کے ذریعے حاصل ہوتے ہیں۔

Trainer ماہرین Objectives مقاصد Knowledge علم Professions پیشے

9. Pakistan was established on the basis of. پاکستان کی-----بنیاد پر قائم ہوا۔	<input type="radio"/> Islamic ideology of life اسلامی نظریہ حیات	<input type="radio"/> Two nation theory دو قومی نظریے	<input type="radio"/> Education تعلیم	<input type="radio"/> Educational tactics تعلیمی حکمت عملی
10. Evaluation assesses the students personality in..... domains. طلبہ کی شخصیت کے جائزے کے لیے-----انداز میں جانے جاتے ہیں۔	<input type="radio"/> 2 دو	<input type="radio"/> 3 تین	<input type="radio"/> 4 چار	<input type="radio"/> 5 پانچ
11. In elements of curriculum evaluation is placed in..... stage. نصاب کے اجزاء میں جائزہ-----جز ہے۔	<input type="radio"/> First پہلا	<input type="radio"/> Second دوسرا	<input type="radio"/> Third تیسرا	<input type="radio"/> Fourth چوتھا
12. Psycho motor domain in evaluation relates to: جائزے کی مہارتی انداز کا تعلق-----ہے۔	<input type="radio"/> Information معلومات	<input type="radio"/> Knowledge علم	<input type="radio"/> Behaviour رویے	<input type="radio"/> Skills ہنر
13. Objectives of education are determined by the central government in: تعلیمی مقاصد کا تعین مرکزی حکومت؛	<input type="radio"/> Constitution آئین میں کرتی ہے	<input type="radio"/> 5 years plan پنج سالہ منصوبے میں کرتی ہے	<input type="radio"/> National educational policy قومی تعلیمی پالیسی میں	<input type="radio"/> Curriculum draft. نصاب کے ڈرافٹ میں
14. There areelements of curriculum. نصاب کے-----اجزاء ہوتے ہیں۔	<input type="radio"/> 2 دو	<input type="radio"/> 3 تین	<input type="radio"/> 4 چار	<input type="radio"/> 5. پانچ
15. Education is a must for industrial development in our country. ملک کی صنعتی ترقی کے لیے بنیادی اہمیت رکھتی ہے۔	<input type="radio"/> Scientific education سائنسی تعلیم	<input type="radio"/> Engineering education انجینئرنگ کی تعلیم	<input type="radio"/> Business education بزنس کی تعلیم	<input type="radio"/> Religious education مذہبی تعلیم



Pakistan International School
Half Yearly Examination 2022
Education SSC:II

Time allowed: 2.40 hours

Total Marks: 60

Note: Answer any Twelve parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 36)

Q2: Attempt any 12 parts from the following: (12×3=36)

- I. What message was given by the founder of Pakistan to First Educational Conference of Pakistan?
- II. Enlist any three aims of education according to National Educational Policy 1998-2010).
- III. Briefly describe Higher Education?
- IV. What do you know about the Religious education?
- V. Highlight the Professional education in Pakistan?
- VI. Write importance of computer and information technology education in Pakistan.
- VII. Why Agricultural education is important in Pakistan?
- VIII. Identify the function of Textbook Boards?
- IX. Define comprehensively Curriculum.
- X. Categorize the elements of curriculum orderly?
- XI. Demonstrate that objectives are the determinants of other elements of curriculum.
- XII. State reading material as an element of education.
- XIII. Identify the advantages/importance of evaluation?
- XIV. What is importance of Home Economics Education for women?
- XV. Why is the general education different from professional education?
- XVI. Enlist different type of teaching methods.
- XVII. Briefly describe the role of board of intermediate and secondary education.
- XVIII. Demonstrate religious education.

مختصر جوابات:

سوال نمبر 2 مندرجہ ذیل اجزا میں سے کوئی سے بارہ 12 کے تین سے چار سطروں تک محدود جوابات لکھیں۔ (12×3=36)

1. بانی پاکستان نے پاکستان کی پہلی تعلیمی کانفرنس میں کیا پیغام دیا؟

2. 1998-2010 کی پالیسی کے مطابق کوئی تین مقاصد تعلیم بیان کریں۔

3. اعلیٰ تعلیم کے بارے میں نوٹ لکھیں۔

4. مذہبی تعلیم کے بارے میں آپ کیا جانتے ہیں؟ تحریر کریں۔
5. پیشہ وارانہ تعلیم کا مفہوم بیان کریں۔
6. کمپیوٹر اور انفارمیشن ٹیکنالوجی کی اہمیت پر نوٹ لکھیں۔
7. پاکستان میں زراعت کی تعلیم کی اہمیت بیان کریں۔
8. ٹیکسٹ بک بورڈ کا بنیادی کام کیا ہے؟
9. نصاب کی تعریف بیان کریں۔
10. نصاب کے اجزائے ترکیبی بیان کریں۔
11. مقاصد کی نصاب میں کیا اہمیت ہے مختصراً بیان کریں۔
12. تدریسی مواد سے کیا مراد ہے؟
13. جائزہ کی اہمیت بیان کریں۔
14. خواتین کے لیے ہوم آئنکس کی تعلیم کی اہمیت مختصراً واضح بیان کریں۔
15. عام تعلیم سے کیا مراد ہے؟
16. طریقہ تدریس کی مختلف اقسام کے نام تحریر کریں۔
17. بورڈ آف انٹرمیڈیٹ اور سیکنڈری ایجوکیشن کے کردار نوٹ تحریر کریں۔
18. دینی مدارس کی تعلیم پر نوٹ لکھیں۔

Section-C(Marks 24)

Note: Attempt any three (3) of the following questions.

(3×8=24)

- Q#3. Elaborate Stages of Education in Pakistan..
- Q#4. Explain the basic elements of Curriculum.
- Q#5. Which Branches of Education are important for development of a country and why?
- Q#6. Describe the preparation of curriculum in Pakistan.

- سوال 3- پاکستان میں تعلیم کے مدارج تفصیل سے بیان کیجئے۔
- سوال 4- نصاب کے بنیادی عناصر پر نوٹ لکھیں۔
- سوال 5- ملکی ترقی کے لئے تعلیم کے کون سے شعبے زیادہ اہم ہیں اور کیوں؟
- سوال 6- پاکستان میں نصاب کی تیاری پر مفصل نوٹ لکھیے۔

Version No.			

ROLL NUMBER						

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2	2	2	2
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9	9	9	9	9	9	9



Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and Handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

EMath SSC–II Half Yearly Examination 2022

SECTION – A (Marks 15)

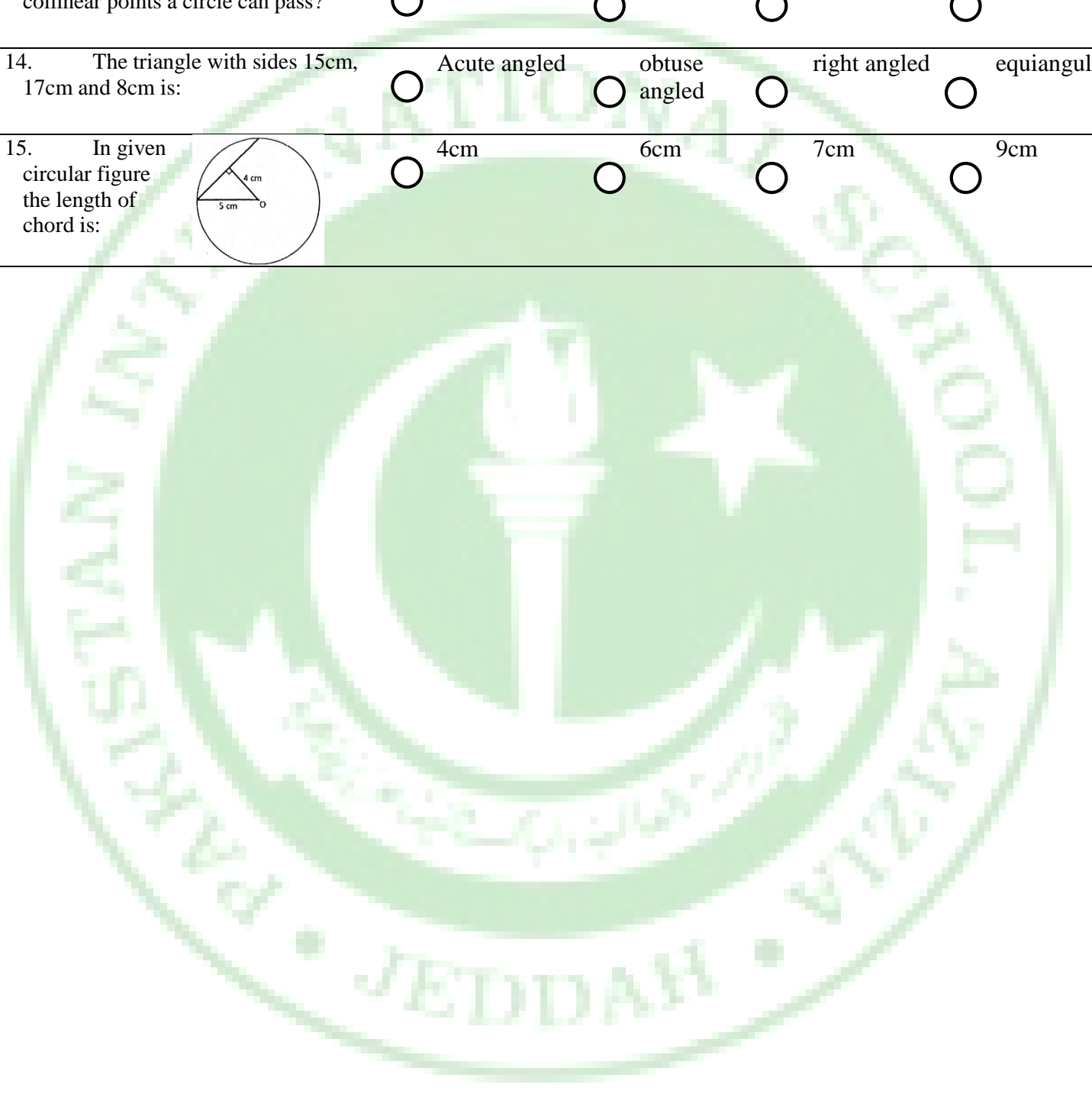
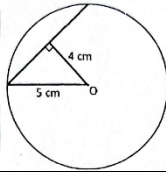
Time allowed: 20 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پینسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

1. The value of x from quadratic equation $(x + 1)(x - 5) = 0$	<input type="radio"/> 1, -5	<input type="radio"/> 1, 5	<input type="radio"/> -1, -5	<input type="radio"/> -1, 5
2. If $5^x = 1$, then $x = ?$	<input type="radio"/> 0	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> $\frac{1}{2}$
3. If roots of $ax^2 + bx + c = 0$ are equal then $b^2 - 4ac = ?$	<input type="radio"/> 1	<input type="radio"/> -1	<input type="radio"/> 0	<input type="radio"/> ± 1
4. If roots of equation $px^2 + qx + 2 = 0$ are reciprocal of each other, then value of p is?	<input type="radio"/> 0	<input type="radio"/> -2	<input type="radio"/> 3	<input type="radio"/> 2
5. If α, β are roots of $2x^2 - 6x - 4 = 0$, then value of $\alpha^2\beta^3 + \alpha^3\beta^2 = ?$	<input type="radio"/> -12	<input type="radio"/> 12	<input type="radio"/> 6	<input type="radio"/> -6
6. If ω is complex cube root of unity, then $\omega^{-27} = ?$	<input type="radio"/> 1	<input type="radio"/> -1	<input type="radio"/> ω	<input type="radio"/> ω^2
7. If ω varies inversely as p^2 , then $k = ?$	<input type="radio"/> $\frac{\omega}{p^2}$	<input type="radio"/> ωp^2	<input type="radio"/> $\frac{p^2}{\omega}$	<input type="radio"/> ωp
8. The third proportion of x^2 and y^2 is?	<input type="radio"/> $\frac{y^2}{x^2}$	<input type="radio"/> $x^2 y^2$	<input type="radio"/> $\frac{y^4}{x^2}$	<input type="radio"/> $\frac{y^2}{x^4}$
9. The identity $(3x + 5)^2 = 9x^2 + 30x + 25$ is true for ?	<input type="radio"/> one value of x	<input type="radio"/> two value of x	<input type="radio"/> three value of x	<input type="radio"/> All values of x
10. The relation $\{(a, b)(b, c)(a, d)\}$ is?	<input type="radio"/> a function	<input type="radio"/> not a function	<input type="radio"/> range	<input type="radio"/> domain

11. The line segment joining any two points of a circle is called: Circumference Radial segment Chord Diameter
-
12. If central chord of a circle is 18 cm then its radius is? 6cm 9cm 12cm 24cm
-
13. Through how many non – collinear points a circle can pass? 1 2 3 infinite
-
14. The triangle with sides 15cm, 17cm and 8cm is: Acute angled obtuse angled right angled equiangular
-
15. In given circular figure the length of chord is: 4cm 6cm 7cm 9cm





Pakistan International School
Half Yearly Examination 2022
EMath SSCII

Time allowed: 2.40 hours

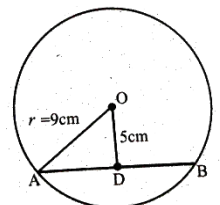
Total Marks: 60

Note: Answer any **Nine** parts from Section 'B' and attempt any **three** questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

I SECTION – B (Marks 36)

Q2. Attempt any **Nine** parts from the following. All parts carry equal marks. (9 × 4)

- i. Solve $2ax^2 + 3bx + 2c = ax^2 + 2bx + c$ by completing square method.
- ii. If $x - 2$ and $x + 2$ are the factors of the polynomial.
 $P(x) = x^3 - 4mx^2 - 2nx + 1$, Find the value of m and n .
- iii. Sum of coordinate of a point is 6 and sum of their square is 20.
 - a. Show that $x^2 - 6x + 8 = 0$
 - b. Solve resultant equation to evaluate co – ordinates.
- iv. Solve for x using quadratic formulae; $\frac{a}{x-b} + \frac{b}{x-a} = 2$.
- v. Find the value of x ; $3 \cdot 3^{2x+1} - 10 \cdot 3^x + 1 = 0$.
- vi. If $\frac{a}{x} = \frac{b}{y} = \frac{c}{z}$, where a, b, c and x, y, z are non-zero numbers, then prove that:
 $\frac{x^3}{a^3} + \frac{y^3}{b^3} + \frac{z^3}{c^3} = \frac{3xyz}{abc}$. By using K-method
- vii. Using theorem of componendo – dividendo, find the value of $\frac{x-6a}{x+6a} - \frac{x+6b}{x-6b}$, if $x = \frac{12ab}{a-b}$.
- viii. If $U = W, A = \emptyset, B = N$, then find
 - a. A'
 - b. B'
 - c. Verify $(A \cup B)' = A' \cap B'$
- ix. If $X = \{x | x \in N \wedge x < 6\}$ $Y = \{y | y \in P \wedge y < 11\}$ then find
 - a. X and Y in tabular form
 - b. $X \times Y$
 - c. Relation $R = \{(x, y) | x+y = 6\}$
- x. Prove that perpendicular from the center of a circle on a chord bisects it.
- xi. Calculate the length of AB in the adjoining figure.



- xii. The current I in a wire varies directly as electromotive force E , and inversely as resistance R . If $I = 32$ amperes, when $E = 1280$ volts and $R = 80$ ohms, what will be the value of I when $E = 1500$ volts and $R = 180$ ohms?
- xiii. In $\triangle ABC$, $m\overline{AB} = 6\text{cm}$, $m\overline{AC} = 4\text{cm}$, $m\angle A = 60^\circ$. Find $m\overline{BC}$ by using theorem $(\overline{BC})^2 = (\overline{AC})^2 + (\overline{AB})^2 - 2(\overline{AB})(\overline{AC})\cos A$.
- xiv. Find x and y if $(7 - 5x, 3y + 2) = (y + 1, x - 2)$.

SECTION – C (Marks 24)

Note: Attempt any **THREE** questions. All questions carry equal marks.

(3 × 8 = 24)

Q3. Find the roots and extraneous roots of the following equation;

$$\sqrt{x^2 + 3x + 5} + \sqrt{x^2 + 3x - 2} = 7.$$

Q4. a. Prove that in any triangle, the sum of the squares on any two sides is equal to twice the square on half the third side together with twice the square on the median which bisects the third side.

b. Prove that, the diameters of circle bisect each other.

Q5. The sum of the squares of two digits of a positive integral number is 65 and the number is 9 times the sum of its digits. Find the number.

Q6. Solve for x by using componendo – dividendo theorem; $\frac{(x+5)^3 - (x-3)^3}{(x+5)^3 + (x-3)^3} = \frac{13}{14}$.

Q7. a. Prove that two chords of a circle which are equidistant from the center are congruent.

b. If length of the chord $\overline{AB} = 8\text{cm}$. Its distance from the center is 3cm, then find the diameter of such circle.



Version No.			

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Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and handed over to the Centre Superintendent.

Deleting/overwriting is not allowed. Do not use lead pencil.

English SSC–II

Half Yearly Examination 2022

SECTION – A (Marks 15)

Time allowed: 20 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے

حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پینسل کا استعمال

ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

- | | | | | |
|---|--|---|--|---|
| 1. He looks upset, I think he took the criticism_____ heart. | <input type="radio"/> To | <input type="radio"/> About | <input type="radio"/> In | <input type="radio"/> Of |
| 2. Women usually enjoy shopping-----, men often dislike it. Choose a suitable transitional device from the following: | <input type="radio"/> Despite | <input type="radio"/> Despite of | <input type="radio"/> In contrast | <input type="radio"/> While |
| 3. My <u>family</u> is going to <u>Lahore</u> by <u>train</u> next month. Tick the correct option. | <input type="radio"/> Collective, Proper, Common | <input type="radio"/> Collective, Common, Abstract | <input type="radio"/> Common, Proper, Material | <input type="radio"/> Abstract, Material, Common |
| 4. The moon was white marble. Which figure of speech is used here? | <input type="radio"/> Simile | <input type="radio"/> Metaphor | <input type="radio"/> Personification | <input type="radio"/> Anaphora |
| 5. If you see a swarm of-----, please take as many photographs as you can! | <input type="radio"/> Sheep | <input type="radio"/> Camel | <input type="radio"/> Bees | <input type="radio"/> Flies |
| 6. Which one of the following sentences possesses the adjective phrase?? | <input type="radio"/> I like a leader who listens to his people. | <input type="radio"/> This plant flowers once every year. | <input type="radio"/> Have you ever seen an elephant with white skin? | <input type="radio"/> Time goes very fast. |
| 7. Can you answer the phone? -----is calling. Choose the correct Indefinite Pronoun. | <input type="radio"/> Everybody | <input type="radio"/> No-one | <input type="radio"/> Someone | <input type="radio"/> Nobody |
| 8. Which one of the following sentences possesses the adverb of place? | <input type="radio"/> Please discuss the topic calmly. | <input type="radio"/> You can park anywhere. | <input type="radio"/> That tea was very hot, I almost burned my tongue. | <input type="radio"/> She bravely rescued a kitten from a tree. |
| 9. Choose the sentence with a noun clause in it. | <input type="radio"/> The shirt that you bought me doesn't fit well. | <input type="radio"/> Call me when you get home. | <input type="radio"/> You get to choose which restaurant we go to tonight. | <input type="radio"/> This is the store where the robbery took place. |

-
10. He looks a little feeble and introverted, but he is _____ and can accomplish tasks exceedingly well. Choose the word with correct spellings to fill in the blank.
- Proficeint Proficent Proficient Profecient
-
11. He always boasted of his luxurious life to his friends. Choose the correct synonym of the underlined word.
- Poor Gorgeous Sorrowful miserable
-
12. Which one of the following sentences contains the best synonym for the underlined word in the sentence? “there was no doubt that the judgement was fair.”
- There was no doubt the judgement was upright. There was no doubt that the judgement was insincere. There was no doubt that the judgement was biased. There was no doubt that the judgement was inconsiderate.
-
13. Fortunately, the explosion _____ the asteroid from a course that would have sent it hurtling into our planet. Infer suitable word from the following options.
- Ignited Diverted Directed Attracted
-
14. Do not Keep checking to see if the bleeding has stopped. What is the underlined word?
- Participle Gerund Infinitive Adjective
-
15. Life is to death as pleasure is to-
-----.
- Pain Poverty Inconvenience Dearth
-



Pakistan International School
Half Yearly Examination 2022
English: X

Time allowed: 2.40 hours

Total Marks: 60

Note: Answer the questions in Section 'B' and C at the place specified for it therein on the separately provided E-Sheet. Write your answers neatly and legibly.

SECTION – B (Marks -36)

Q1. Read the following passage carefully and answer any five questions including Question No.(i) appended to it.

Note: question No.(i) about summary writing is compulsory carrying 06 marks while rest of the questions carry 03 marks each. (6+4*3=18)

News coverage over television is different from reading newspapers. Newspapers were primary established to cover the news and later on they added entertainment. On the other side television was mainly invented for entertainment and then it became an effective news medium. Now television news has become a powerful rival to newspapers. Though both of these mediums cover the news effectively, there are distinct differences in the way they do it.

Newspapers do not require us to sit at a place and read the news. Busy people may read the papers anytime of the day. They may read the news that is important to them early in the morning, and carry the paper with them to read in the bus or van. They may also choose to omit certain aspects of the news that they are not interested in.

Television, on the other hand, requires its views to be at a certain place, at a certain time in order to watch and listen to the news. They cannot choose to read it on the move or throughout the day. They cannot even choose which piece of the news they wish to skip. One way could be to record it and watch it later. But the point here is that it is not that convenient.

Television brings laziness in us. We can view the news with a little or no effort since it is practically a form of entertainment. If we have the leisure time, we can view the television news anytime of the day and night. It broadcasts the news as it is happening. Much mastery of language is not necessary for the person who prefers to view the news on television because everything is visual and auditory. A person with a basic knowledge of the broadcast language will be able to view and understand it. In comparison, the reader of a newspaper needs to be proficient in the language in order to understand it better.

Questions:

- I. Summarize the given passage. Also suggest a suitable title to it. (5+1=6)
- II. What was the basic purpose of television and newspaper when they were established?
- III. Write any three differences between television and newspaper.
- IV. The viewers of television cannot even skip the piece of news in which they are not interested in, why?
- V. Why is viewing news on television is easier?
- VI. Which media has a bright future, electronic or print and why?
- VII. Give the synonyms of the words that are underlined in the passage.

Q3. a.) Paraphrase anyone of the following stanzas: (2)

Once or twice though you should fail,
If you would at last prevail,
Try again.

If we strive, 'tis no disgrace
Though we did not win the race—
What should you do in that case?
Try again.

OR

Hold fast to dreams
For if dreams die
Life is a broken-winged bird
That cannot fly.

b. Read the following poem/stanzas carefully and answer the questions appended to it:

I hear leaves drinking rain;
I hear rich leaves on top
Giving the poor beneath
Drop after drop;
'Tis a sweet noise to hear
These green leaves drinking near.

Questions:

- i. What do the poor leaves and rich leaves metaphorically stand for? (2)
- ii. Which problem of society is highlighted in the given stanza? (2)

OR

For oft, when on my couch I lie
In vacant or in a pensive mood,
They flash upon that inward eye
Which is the bliss of solitude;
And then my heart with pleasure fills,
And dances with the daffodils.

Questions:

- i. What is the "inward eye"? (2)
- ii. What is the bliss of solitude in the stanza? (2)

Q4 a. Fill in the blank with the appropriate form of the verb given in the brackets. (4)

- i. She had left before the party_____ (begin).
- ii. She will miss the bus if she _____(not leave) soon.
- iii. Osama already_____ (decided) to settle in Lahore.
- iv. Where have you been? We_____ (wait) for you for ages.

b. Change into Indirect Speech. (4)

- i. She said to me, " Kindly close the window."
- ii. She said, "I did not go to school yesterday."
- iii. "I could fall down the stairs," said my grandma.
- iv. He said, " He rang me up at twelve midnight."

c. Do as directed.(Any four) of the following: (4)

I. Are not the beauties of nature beyond description? (Change into affirmative)

II. She felt terrible about this tendency. (Change into exclamatory sentence)

III. The peon opened the gate. (change into negative sentence)

IV. I did not say anything to make you angry. (Change into interrogative sentence)

V. Are you coming to the party tonight? (Change into imperative sentence)

VI. Juveria has asked that question four times today (change into negative sentence)

SECTION – C (Marks 24)

Q5. Write an application to the DEO for the post of general teacher. (8)

Or

Write a letter to the District Chairman highlighting the need of a park in your area.

Q6. Express your point of view about the modern inventions and their use in present day life by using transitional devices. (at least 6). (6)

Q7. Write an essay on any one of the following topics: (200-250 words) (10)

Hazrat Muhammad an exemplary judge

Use of Cell Phone

Causes and effects of the wild growth of urban population

Version No.			

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Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and Handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

General Mathematics SSC – II
Half Yearly Examination 2022
SECTION – A (Marks 12)
Time allowed: 20 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پنسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

1. If A and B are square

matrices, then which of the option is false?

$(AB)^t = B^t A^t$
 $(A - B)^t = A^t - B^t$
 $AB \neq BA$
 $(KA)^t = K^t A^t$

2. If $P(x) = x^3 - 2x^2 + 5x + 1$

Then $P(1) = ?$

5
 -5
 -7
 0

3. A quadratic polynomial is

of degree:

0
 1
 2
 3

4. In a square matrix the

number of rows and columns is:

3×2
 2×3
 2×1
 Same

5. If $A^t = -A$ then A is

called:

Symmetric
 Skew symmetric
 Transpose
 Square Matrix

6. Factorization of $x^4 - 1 = 0$

$(x - 1)(x^2 + 1)$
 $(x + 1)(x - 1)(x^2 + 1)$
 $(x + 1)(x^2 - 1)$
 $(x + 1)(x^2 + 1)$

7. Solution of $|x - 3| = 5$ is:

$\{8, -2\}$
 $\{-8, -2\}$
 $\{8, 2\}$
 $\{-8, 2\}$

8. Multiplicative factors of

$$(x - 3)^2 - 4 = ?$$

- $(x - 5)(x + 1)$ $(x + 5)(x - 1)$ $(x - 5)(x - 1)$ $(x + 5)(x + 1)$

9. The solution Set of $|3x -$

$$4| = |x|$$
 is:

- $\{2, 1\}$ $\{ \}$ $\{0\}$ $\{2\}$

10. Solution of $y^2 = 1$ is:

- $\{1\}$ $\{\pm 1\}$ $\{\pm i\}$ $\{-1\}$

11. What is the solution set

$$\text{of } \sqrt{x - 4} = -2 ?$$

- $\{8\}$ $\{0\}$ $\{2\}$ $\{ \}$

12. Factorization of $x^3 - 1$ is:

- $(x - 1)(x^2 + 1)$ $(x - 1)(x^2 + x + 1)$ $(x - 1)(x^2 - x + 1)$ $(x + 1)(x^2 + x + 1)$

13. The number of rows and

columns in a matrix

determine its

- Rows Order Determinant Adjoint

14. If $m - 2 = n$, then

- $m < n$ $m > n$ $m = n$ $m \leq n$

15. Solution of

$$x^2 - 5x + 6 = 0$$

- $\{3\}$ $\{2\}$ $\{2, 3\}$ $\{-2, -3\}$



Pakistan International School

Half Yearly Exam.2022

General Mathematics SSC - II

Time allowed: 2.40-hour

Total Marks: 60

Note: Answer any nine parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 36)

Q2. Attempt any NINE parts from the following. All parts carry equal marks.

(9 × 4 = 36)

- i. If $P(x) = \frac{x^2 - 5x + 6}{x + 1}$, then find $P(1)$.
- ii. Factorize $x^2 - 9x - 90$
- iii. Determine whether the second polynomial is a factor of the first polynomial without dividing, $3x^4 - 2x^3 + 5x - 6; x - 1$
- iv. Solve by completing square method $x^4 + x^2 + 1$.
- v. Solve: $\sqrt{x + 5} + 7 = 0$.
- vi. Solve $\frac{1}{3}x > \frac{1}{4}(x - 1)$.
- vii. Factorize: $a^2 - 12a - 85$.
- viii. Simplify $\frac{x^2 - 4x + 4}{x^2 - 4} \div \frac{x}{x - 2}$.
- ix. Find x and y if: $\begin{bmatrix} x + 3 & 1 \\ -3 & 3y - 4 \end{bmatrix} = \begin{bmatrix} 2 & 1 \\ -3 & 2 \end{bmatrix}$.
- x. If $P = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$, find P^{-1} .
- xi. Solve the simultaneous equations by matrix inversion method where possible $3x + 2y = 10$
 $2y - 3x = -4$
- xii. Solve and check: $|3x + 4| = 9$.
- xiii. Reduce the given rational expression to lowest terms: $\frac{x^2 - y^2}{3y - 3x}$.
- xiv. Factorize: $8x^3 - \frac{1}{27}$.

SECTION – C (Marks 20)

Note: Attempt any THREE questions. All questions carry equal marks. (3 × 8 = 24)

Q3. If $A = \begin{bmatrix} 2 & 6 \\ 7 & 8 \end{bmatrix}$, $B = \begin{bmatrix} -1 & -3 \\ 2 & 0 \end{bmatrix}$, Verify that $(AB)^t = B^t A^t$.

Q4. Factorize: $x^{12} - y^{12}$.

Q5. If $P(x) = x^3 - kx^2 + 3x + 5$ is divided by $x - 1$, find k, if remainder is 8.

Q6. Solve and check: $\frac{x+1}{2} - \frac{x+3}{3} > \frac{x+1}{4} + 1$.

Q7. Solve and check for extraneous solution (if any):

$$\sqrt{2x - 1} - \sqrt{x - 4} = 2$$

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Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

General Science SSC–II Half Yearly Examination 2022

SECTION – A (Marks 20)

Time allowed: 20 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پینسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

1. Thermosphere extends upto ---- -----	<input type="radio"/>	50 km	<input type="radio"/>	500 km	<input type="radio"/>	80 km	<input type="radio"/>	150 km
2. Red blood cells in each cubic millimeter-----	<input type="radio"/>	Five million	<input type="radio"/>	Seven million	<input type="radio"/>	Fifteen million	<input type="radio"/>	Fiftymillion
3. Which gas is responsible for the depletion of ozone layer ?	<input type="radio"/>	CFCs	<input type="radio"/>	CO ₂	<input type="radio"/>	Oxygen	<input type="radio"/>	CO
4. Enzyme lipase helps to break down	<input type="radio"/>	Fibers	<input type="radio"/>	Carbohydrates	<input type="radio"/>	Proteins	<input type="radio"/>	Fats
5. White blood cells are known as,	<input type="radio"/>	Leucocytes	<input type="radio"/>	Erythrocytes	<input type="radio"/>	Thrombocytes	<input type="radio"/>	Platelets
6. Ozone forms a protective layer in -----	<input type="radio"/>	Troposphere	<input type="radio"/>	Stratosphere	<input type="radio"/>	Mesosphere	<input type="radio"/>	Thermosphere
7. How many calories produced by 100gm of Barley?	<input type="radio"/>	355	<input type="radio"/>	194	<input type="radio"/>	348	<input type="radio"/>	100
8. Vitamin E is required for the normal functioning of -- ----- system	<input type="radio"/>	Circulatory	<input type="radio"/>	Nervous	<input type="radio"/>	Respiratory	<input type="radio"/>	Excretory

-
9. Which term is used to define change in DNA?
- Tissue culture Mutation Breeding Gene
-
10. Vitamin B12 is also called:
- Riboflavin Ascorbic Acid Thiamin Cyanocobalamin
-
11. It is due to green house effect that average temperature of earth is --
- 15 C° 20 C° 51 C° 25 C°
-
12. The conversion of iron into steel requires:
- Carbon Copper Nickel Zinc
-
13. What is the percentage of water in blood plasma ?
- 09% 55% 90% 45%
-
14. The number of chromosomes in Pea Plant is _____ pairs.
- 8 7 4 14
-
15. Migration of rural people to cities is called ---
- Citizenship Socialization Urbanization Colonization
-



Pakistan International School
Half Yearly Examination 2022
General Science SSC–II

Time allowed: 2.40 hours

Total Marks: 60

Note: Answer any Twelve parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 36)

Q.2 Attempt any TWELVE parts from the following.

All parts carry equal marks. (12 x3 = 36)

- i. “Organic catalysts are essential for the processes of life” justify this statement.
- ii. Why hemophilia and color blindness are called inherited diseases?
- iii. Differentiate Antibiotics and Vaccines.
- iv. Why Pituitary Gland is called a “Master Gland”?
- v. Which hormones are secreted by pancreas, enlist their types and function.
- vi. If you are playing outside your home with your friend. Suddenly a dog comes and bites your friend. What should you do immediately as first aider?
- vii. Define balanced diet? Enlist major components of food.
- viii. Suggest three methods to reduce the land pollution.
- ix. Write down fractions of petroleum.
- x. Enlist here some characteristics of enzymes.
- xi. How deforestation is affecting environment?
- xii. Point out the reasons of urbanization?
- xiii. Discuss role of plasma protein in human body.
- xiv. Briefly describe the important role of platelets in human blood.
- xv. What do you know about fungicides?
- xvi. Write down the effects of regular exercise on human body.
- xvii. Briefly discuss the role of genetic engineering for the better production in agriculture.
- xviii. Explain why thicker clouds have dark bases.

SECTION – C (Marks 24)

Note: Attempt any THREE questions. Each question carries equal marks. (3 x 8 = 24)

Q.3 “The cells of the body do not remain young and active throughout life”. Explain this statement by considering the topic: (8)

“Aging and Decay of the body”

- Q.4**
- (a) Write a note on conservation of non- renewable resources . (5)
 - (b) Define green house effect and explain how it maintains the temperature of earth and warm it. (3)

Q.5 What is air pollution? Write its causes and give methods to remove it from environment.

- Q.6**
- a) Explain digestion of fats in the human body. (4)
 - b) Describe how coal is formed? Explain its different types. (4)

Version No.			

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Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and Handed over to the Centre Superintendent.

Deleting/overwriting is not allowed. Do not use

Pakistan Studies Half Yearly Examination SSCII

SECTION – A (Marks 10)

Time allowed: 20 minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دئے کرناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پنسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble against each question:

ہر سوال کے سامنے دیے گئے درست دائرہ کو پر کریں۔

1. Pakistan is located in the midst

of the Muslim countries from

Morocco to -----

پاکستان مراکش سے ----- تک پھیلے ہوئے

اسلامی برادری کے ملکوں کے وسط میں واقع ہے

Malaysia

ملائیشیا

Indonesia

انڈونیشیا

Brunei

برونائی

Egypt

مصر

2. The RCD was renamed as _____

in 1985.

1985 میں آر سی ڈی کو _____ کے نام سے نئی

شکل دی گئی

ای سی او ECO

او آئی سی OIC

سیٹو SEATO

SENTO

سینٹو

3. The second government of

Benazir Bhutto was dismissed by

بے نظیر کی دوسری حکومت کو _____ نے برطرف

کیا

Ghulam Ishaq

Khan

غلام اسحاق خان

Waseem

Sajjad

وسیم سجاد

Farooq Laghari

فاروق لغاری

Ghula

Mustafa Jatoi

غلام مصطفی جتوئی

4. Pakistan conducted nuclear test

on _____

پاکستان نے _____ کو ایٹمی دھماکہ کیا

28th May 1990

28th May 1995

28th May 1997

28th May

1998

5. Under 1973 constitution all the

provinces have equal representation

in the _____

1973 کے آئین کے تحت تمام صوبوں کو _____

Senate

سینیٹ

Nationa

Assembly

قومی اسمبلی

Provincia

Assembly

صوبائی اسمبلی

Suprem

Court

سپریم کورٹ



Pakistan International School
Half Yearly Examination 2022
Pakistan Studies SSCII

Time allowed: 2.40 hours

Total Marks: 40

Note: Answer any Eight parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 8×3=24)

Q#2, Write short notes in three to five lines (any eight)

- i. List the SAARC members.
- ii. Discuss the Quaid-e-Azam and the Muslim World.
- iii. Mention major steps taken by Benazir government during her first tenure in office.
- iv. Write a short note on Afghan Jihad.
- v. Describe when and why the third time Nawaz Sharif was disqualified from the office of PM.
- vi. Discuss the financial Matters during Gen.Zia's era.
- vii. Number of OIC members where and when the organisation was established.
- viii. Define foreign Policy.
- ix. Name the central Asian states.
- x. Pak-Iran Economic Cooperation.
- xi. Pakistan's role in the Soviet defeat in Afghanistan.

ا۔ سارک تنظیم میں کون کون سے ممالک شامل ہیں

ب۔ قائد اعظم اور عالم اسلام پر مختصر نوٹ لکھیں۔

ج۔ بے نظیر بھٹو کے پہلے دور حکومت کے اہم اقدامات بیان کریں۔

د۔ افغان جہاد پر مختصر نوٹ لکھیں

ر۔ محمد نواز شریف کو تیسری دور حکومت میں کیوں برطرف کیا گیا تھا۔

س۔ جنرل ضیاء الحق کے دور حکومت میں اقتصادی معاملات پر نوٹ لکھیں۔

۔ او آئی سی میں کتنے اسلامی ممالک شامل ہیں یہ کب اور کہاں وجود میں آئی؟

۔ خارجہ پالیسی کی تعریف بیاں کریں۔

۔ وسط ایشیائی ریاستوں کے نام لکھیں۔

۔ پاک ایران اقتصادی تعاون پر روشنی ڈالیں۔

افغانستان میں سوویت مداخلت کے خاتمے میں پاکستان کا کردار بیان کریں۔

SECTION – C (Marks 8×2=16)

Q#3, Write detailed answers (any two)

- i. Write a detailed note on Kashmir dispute.
- ii. Describe the salient features of the 1973 constitution in detail.
- iii. Discuss briefly Pakistan's relations with its neighboring countries.

ا۔ مسئلہ کشمیر پر تفصیل سے روشنی ڈالیں۔

ب۔ 1973 کے آئین کی اہم دفعات تفصیل بیان کریں۔

ج۔ پاکستان کے اپنے ہمسایہ ممالک کے ساتھ کن خطوط پر استوار ہیں۔



Version No.			

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Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and handed over to the Centre Superintendent.

Deleting/overwriting is not allowed. Do not use lead pencil.

Physics SSC–II Half Yearly Examination 2022

SECTION – A (Marks 12)

Time allowed: 20 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پینسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

- | | | | | |
|--|---------------------------------------|--|--------------------------------------|------------------------------------|
| 1. The frequency of vibrating spring is 0.5Hz. What is its time period? | <input type="radio"/> 0.5 s | <input type="radio"/> 0.2 s | <input type="radio"/> 2s | <input type="radio"/> 1.5 s |
| 2. The charges whose size are small as compare to distance between them is called.... | <input type="radio"/> Positive charge | <input type="radio"/> Negative charge | <input type="radio"/> Neutral charge | <input type="radio"/> Point charge |
| 3. The power of lens is 5D. What is its focal length? | <input type="radio"/> 20cm | <input type="radio"/> 5cm | <input type="radio"/> 0.2cm | <input type="radio"/> 1m |
| 4. By which characteristics of sound, we can have distinguished between loud and faint sound? | <input type="radio"/> Pitch | <input type="radio"/> Intensity | <input type="radio"/> Echo | <input type="radio"/> Loudness |
| 5. If the length of simple pendulum is halved, its time period will become | <input type="radio"/> $\frac{T}{2}$ | <input type="radio"/> $\frac{T}{\sqrt{2}}$ | <input type="radio"/> $\sqrt{2}T$ | <input type="radio"/> 2T |
| 6. When a positive charge of 2C is placed at a point in an electric field .it experience a force of 6N. What is the value of electric intensity at this point? | <input type="radio"/> 12N/C | <input type="radio"/> 3N/C | <input type="radio"/> 0.33N/C | <input type="radio"/> 6N/C |
| 7. The loudness of sound is most closely related to its..... | <input type="radio"/> frequency | <input type="radio"/> wavelength | <input type="radio"/> period | <input type="radio"/> amplitude |
| 8. Where a pen is placed in front of convex lens that it form an image equal to size of pen | <input type="radio"/> at F | <input type="radio"/> Between F&2F | <input type="radio"/> At 2F | <input type="radio"/> Beyond 2F |

-
9. 1pico farad=.....
- 10^{-6} F 10^{-12} F 10^{-9} F 10^{-15} F
-
10. How the size of pupil change in dim light?
- enlarge small Remain same None of these
-
11. How many lenses are used in refracting telescope?
- two convex lens two concave lens three convex lens Both concave & convex
-
12. Which quantity remain same when water waves enter from deep to shallow water.
- velocity wavelength frequency amplitude
-





Pakistan International School Half Yearly Examination 2022 Physics SSCII

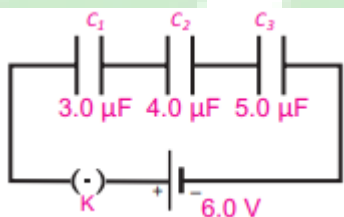
Time allowed: 2.40 hours

Total Marks: 53

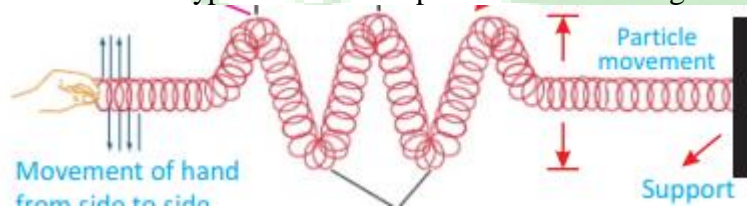
Q#02 Note: Answer any Eleventh parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (11x3=33Marks)

- i. How can you observe clear diffraction? Explain it with the help of ripple tank?
- ii. Write a practical application of static electricity from your daily life?
- iii. How the eye lens accommodate itself, if you want to see the distance object?
- iv. Differentiate between intensity and loudness of sound?
- v. Which type of capacitor is used for tuning in radio sets? Explain its working.
- vi. Write two methods to charge a electroscope?
- vii. Which technique is used in construction of building to overcome acoustics?
- viii. An object is 30cm tall is locaed 10.5cm from a concave mirror with focal length 16cm.
 - i) Where is the image located?
 - ii) Find the height of image?
- ix. These three capacitors are in series combination? Calculate equivalent capacitance of capacitors?



- x. Under what condition converging lens form virtual image?
- xi. At one end of a ripple tank 80cm across, a 5Hz vibrator produces waves whose wavelength is 40mm. Find the time of the waves need to cross the tank.
- xii. Find the magnification of compound microscope by using its ray diagram.
- xiii. The force of repulsion between two identical positive charges is 0.8N, when the charges are 0.1m apart. Find the value of each charge?
- xiv. Which type of waves are produced in this diagram? How these waves propagate?



- xv. What is endoscopy? Write the names of three endoscopes which are used in massive surgery.

SECTION – C (2x10=20 Marks)

- Q#03 a. Discuss the main features of parallel combination of capacitors? (6)
b. Write the characteristics of electric lines of forces. (4)
- Q#04 a. What are optical fibres? How total internal reflection is used in light propagation through Optical fibres? (6)
b. A simple pendulum complete one vibration in 2s. Calculate its length? (4)
- Q#05 a. Derive a formula to calculate the intensity of unknown sound? (6)
b. A point charge of +2C is transferred from a point at potential 100V to a point at 50V. What would be the energy supplied by the charge? (4)

Formulas: 1. $\frac{1}{f} = \frac{1}{p} + \frac{1}{q}$ 2. $\frac{1}{C_{eq}} = \frac{1}{C_1} + \frac{1}{C_2} \dots$, 3. $F = k \frac{q_1 q_2}{r^2}$, 4. $v = f\lambda$, $s = vt$, 5. $T = 2\pi \sqrt{\frac{l}{g}}$, 6. $E = q(v_a - v_b)$



Version No.			

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9	9	9	9

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1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9



Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

پرچہ اردو دہم ششماہی امتحان 2022

حصہ اول کل نمبر ۱۵

وقت: 20 منٹ

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پنسل کا استعمال ممنوع ہے۔

سوال نمبر ۱: ہر جز کے سامنے دیے گئے درست دائرہ کو پر کریں۔

1- وحدت تاثر لے ہونے زندگی کے کسی ایک پہلو پر روشنی ڈالنے والی کہانی کو کیا کہتے ہیں؟	<input type="radio"/>	ڈرامہ	<input type="radio"/>	ناول	<input type="radio"/>	افسانہ	<input type="radio"/>	خاکہ	<input type="radio"/>
2- کسی تاریخی واقعے کو اشاروں سے شعر میں بیان کرنے کو اصطلاح میں کیا کہا جاتا ہے؟	<input type="radio"/>	تلمیح	<input type="radio"/>	تکرار	<input type="radio"/>	نظم	<input type="radio"/>	محاورہ	<input type="radio"/>
3- استعارے میں کس کا ذکر نہیں ہوتا؟	<input type="radio"/>	وجہ جامع	<input type="radio"/>	مستعار منہ	<input type="radio"/>	مستعار لہ	<input type="radio"/>	مشبہ بہ	<input type="radio"/>
4- ایک سے زیادہ معنی والے الفاظ جن کی املا ایک جیسی ہو، کیا کہلاتے ہیں؟	<input type="radio"/>	ذو معنی الفاظ	<input type="radio"/>	مکمل الفاظ	<input type="radio"/>	قافیہ	<input type="radio"/>	مترنم الفاظ	<input type="radio"/>
5- غزل کے مطلع کے بعد آنے والے شعر کے دونوں مصرعوں میں بھی قافیہ اور ردیف ہو تو، شعر کیا کہلاتا ہے؟	<input type="radio"/>	مقطع	<input type="radio"/>	مطلع اولی	<input type="radio"/>	مطلع ثانی	<input type="radio"/>	محاورہ	<input type="radio"/>
6- اشعار کا مجموعہ کیا کہلاتا ہے، جس میں شاعر حضرت محمد کی محبت میں ڈوب کر الفاظ قاری کے دل میں پہنچاتا ہے؟	<input type="radio"/>	نعت	<input type="radio"/>	حمد	<input type="radio"/>	مرثیہ	<input type="radio"/>	غزل	<input type="radio"/>
7- معطوف علیہ اور معطوف سے مل کر بننے والے مرکب کا نام کیا ہے؟	<input type="radio"/>	مرکب جاری	<input type="radio"/>	مرکب عطفی	<input type="radio"/>	مرکب اضافی	<input type="radio"/>	مرکب اشاری	<input type="radio"/>

○ جملہ فعلیہ	○ جملہ اسمیہ	○ روزمرہ	○ محاورہ	18- انگریز کٹے ہیں۔ یہ کون سا جملہ ہے؟
○ تکنیکی زبان	○ سیاسی زبان	○ ادبی زبان	○ سادہ زبان	9- عام بول چال اور عامیانہ زبان سے مختلف زبان کو کیا کہتے ہیں؟
○ خطاب	○ عرف	○ لقب	○ مختص	10- شاعر کا چھوٹا نام جو، وہ اشعار میں استعمال کرتا ہے، کیا کہلاتا ہے؟
○ کنایہ	○ مجاز مرسل	○ استعارہ	○ تشبیہ	11- جس لفظ کے استعمال میں حقیقی اور مجازی معنوں میں تشبیہ کا تعلق نہ ہو؟ کیا کہلاتا ہے؟
○ کنایہ	○ تضاد	○ تکرار	○ تلمیح	12- شعر میں ایک سے زیادہ مرتبہ لفظ دہرایا جائے تو یہ کون سی صنعت کہلائے گی؟
○ سابقہ	○ لاحقہ	○ حرف	○ فعل	13- غم خوار میں "خوار" قواعد کی رو سے کیا ہے؟
○ صنعت مراعاتہ النظیر	○ صنعت تعلیل	○ صنعت تکرار	○ صنعت تضاد	14- کلام میں ایسا لفظ، جس کے ساتھ اس کا الٹ لفظ بھی استعمال ہو، کون سی صنعت کہلائے گی؟
○ مرثیہ	○ گیت	○ غیر مردف	○ عام غزل	15- وہ غزل جس میں ردیف نہ ہو، کیا کہلاتی ہے؟

پاکستان انٹرنیشنل اسکول جدہ

ششماہیامتحان 2022

پرچہ اُردو دہم



وقت: 2:35 گھنٹے

کل نمبر حصہ دوم اور سوم = 60

سوال نمبر 2: (الف) حصہ نثر:

7X2=14

پیرا گراف پڑھ کر آخر میں دیے گئے سوالات میں سے سات کے جوابات لکھیں:

اس تمدنی پس منظر کے طفیل ایک وقتی جذبہ جان نہیں بلکہ ایک تہذیبی اکائی بن کر ہماری معاشرتی زندگی میں بہت دور تک جاتی ہے۔ اس کی وسعت پذیری سے موضوع کی جڑیں ہماری ادبی روایت میں پھیل گئی ہیں۔ خواجہ حسن نظامی نے دلی کی بربادی کے جو نوحے لکھے ہیں ان میں دولت و عزت سے محروم ہونے والے شہزادوں اور شہزادیوں کی کس مہر سی میں عید بسر کرنے کا ذکر اہمیت رکھتا ہے۔ اس روایت کا آغاز سر سید احمد خان سے ہوتا ہے، جنہوں نے "مسلمانان ہند کی عید" کے عنوان سے مسلمانوں کی معاشرتی زندگی کی خامیوں کو بیان کرنے کے علاوہ ان کی غریبی کے نقشے بھی تفصیل کے ساتھ بیان کئے۔ حسن نظامی کے موضوعات میں "عظمت رفتہ کی یاد" عید کو علامتی حوالہ کرتی ہے۔ "یتیم شہزادے کی عید"، "عید گاہ ماغریباں کوئے تو" دینی جذبے کی شدت اور مذہبی امور سے گہری وابستگی کو ظاہر کرتے ہیں۔ ان نثر پاروں کے اثرات ہماری شعری روایت پر بھی پڑے ہیں۔

سوالات:

- 1- اس عبارت کا مرکزی خیال لکھیں
- 2- اس عبارت کا خلاصہ لکھیں
- 3- مصنف کے مطابق عید ہماری زندگی میں کیا اہمیت رکھتی ہے؟
- 4- خواجہ حسن نظامی کے نوحے میں کس بات کا ذکر ہے؟
- 5- عبارت میں شہزادوں کا حال کس طرح بیان کیا گیا ہے؟
- 6- سر سید احمد خان نے کس نثری روایت کا آغاز کیا؟
- 7- حسن نظامی کے موضوعات میں کن چیزوں پر زیادہ توجہ نظر آتی ہے؟
- 8- عید پر لکھے گئے نثر پاروں کے اثرات کس پر پڑے؟
- 9- عید کو علامتی حوالہ کس نثر پارہ میں عطا ہوا؟

ب) حصہ شعر

درج ذیل اشعار کو غور سے پڑھیں اور آخر میں دیے گئے سوالات میں سے پانچ کے جواب دیں۔

اسی نے ایک حرف کن سے پیدا کر دیا عالم کشاکش کی صدائے باہو سے بھر دیا عالم
 گرمی سے مضطرب تھا زمانہ زمین پر بھن جاتا تھا جو گرتا تھا دانہ زمین پر
 فاطمہ! گو شنیم افشاں آنکھ تیرے غم میں ہے نغمہ عشرت بھی اپنے نالہ ماتم میں ہے
 پہنچ جائیں گے انتہا کو بھی حسرت جب اس راہ کی ابتدا ہو گئی ہے
 انتشار ایک پیش نامہ ہے زوال ملک کا اتحاد قوم ملت کا جتن کرتے رہو

- 1- حرف کن سے کیا مراد ہے؟
- 2- شاعر نے گرمی کی شدت کس طرح سے بیان کی ہے؟
- 3- نالہ ماتم کے ساتھ نغمہ عشرت کی وضاحت کریں۔

- 4- شاعر کے خیال میں انتہا تک پہنچنے کی کیا وجہ ہے؟
 5- شاعر کے مطابق قوم و ملت کے اتحاد نہ ہونے کا کیا نتیجہ نکلے گا؟
 6- انتشار ایک پیش نامہ ہے زوال ملک کا اتحاد قوم ملت کا جتن کرتے رہو۔ اس شعر کا مرکزی خیال لکھیں۔

(ج) حصہ قواعد:

- 1- مجاز مرسل کی کوئی سی دو قسموں کے نام لکھیں۔
 2- مرکب جاری کی وضاحت کریں اور دو مثالیں دیں۔
 3- مجاہد کوہ دریا کی حدوں میں رہ نہیں سکتے
 ہماری جنگ ہوگی جنگ عالمگیر آزادی
 اس شعر میں استعمال ہونے والی صنعت کی وضاحت کریں۔
 4- "ا" نے کھانا پکایا" اس جملے کی ترکیب نحو کی کریں۔

حصہ سوم (کل نمبر 30)

سوال نمبر 3: درج ذیل پیرا گراف میں سے کسی ایک کی تشریح کریں۔

الف۔ آزادی کی صبح تو خوشی اور غم کے دونوں پہلو رکھتی تھی۔ آزادی کی قربانیاں، مہاجرین کی آمد، مسائل کی یورش اور آندوہ ناک مناظر کی فراوانی ایک طرف سرحد پار کے مصائب کی داستانیں تھیں اور اس کے ساتھ یہ اطمینان بھی تھا کہ اب مسلمان اپنے عقیدے کے مطابق اپنی خواہشات کے مطابق اپنی دنیا بسا سکیں گے۔ اس وقت سے لے کر اب تک یہی احساس پاکستان کو فکری سطح پر بچائے ہوئے ہے مسلمانوں نے اس ملک کے لیے قربانیاں دی تھیں۔
 ب: مل ملا کر شام کو واپس آنے کے بعد باتیں ہوتی ہیں۔ سونے کے وقت اپنا دن بھر کا کام دیکھتا ہوں ہو تو ایک صفحے سے زیادہ نہیں وہ بھی بے ربط و بے سلسلہ غصے اور رنج میں آکر اسے پھاڑ دیتا ہوں اور دوسرے روز اپنے میزبان کو ناراض کر کے اپنے گھر واپس چلا آتا ہوں میں ناشکر اور احسان فراموش کہا جاؤں گا مگر میں مجبور ہوں اس عزیز اور مہربان دوست کو بھی چھوڑ دوں گا۔

سوال نمبر 4: درج ذیل نظمیہ جزو میں سے کسی ایک کی تشریح کریں۔

الف: یوں گلشن فلک سے ستارے ہوئے رواں چن لے چمن سے پھولوں کو جس طرح باغبان
 آئی بہار میں گل مہتاب پر خزاں مر جھا کے گر گئے ثمر و شاخ کھکشاں
 دکھلائے طور باد سحر نے سوم کے پڑمردہ ہو کے رہ گئے غنچے نجوم کے
 ب: ہے کوئی ہنگامہ تیری تربت خاموش میں پل رہی ہے ایک قوم تازہ اس آغوش میں
 تازہ انجم کا فضاے آسمان میں ہے ظہور دیدہ انساں سے نامحرم ہے جن کی موج نور
 جن کی تابانی میں انداز کہن بھی نو بھی ہے اور تیرے کو کب تقدیر کا پر تو بھی ہے

سوال نمبر 5: درج ذیل غزلیہ جزو میں سے کسی ایک کی تشریح کریں۔

الف: کار و بار جہاں سنورتے ہیں ہوش جب بے خودی سے ملتا ہے
 روح کو بھی مزہ محبت کا دل کی ہمسائیگی سے ملتا ہے
 ب: اس نازنین نے، جب سے کیا ہے، وہاں قیام گلزار بن گئی ہے زمین دکن تمام
 اچھا ہے اہل جور کیے جائیں سختیاں پھیلے گی یونہی، شورش حب وطن تمام

سوال نمبر 6: کہانی لکھیں۔ لالچ بری بلا ہے

سوال نمبر 7: اشارات کی مدد سے درج ذیل عنوانات میں سے کسی ایک پر پانچ سو سے چھ سو الفاظ پر مشتمل مضمون لکھیں۔

الف: وقت کی پابندی

1- کائنات کا نظام 2- دینی فرائض میں وقت کی پابندی 3- طالب علم کی زندگی 4- کسان کی فصلیں 5- کامیابی کا راز

ب: والدین کی اطاعت

1- مقام والدین 2- قرآن و حدیث کی روشنی میں 3- خدمت والدین 4- والدین کے لئے دعا 5- اولاد کا فرض

Version No.			

ROLL NUMBER						



0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

Section – A is compulsory. All parts of this Section are to be answered on this page and handed over to the Centre Superintendent.

Deleting/overwriting is not allowed. Do not use lead pencil.

Islamiat SSC-II
Half Yearly Examination 2022
SECTION – A (Marks 10)
Time allowed: 15 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پینسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

1. What is another name of Ghazwa e Ahzab? غزوہ احزاب کا دوسرا نام کیا ہے؟	<input type="radio"/> Uhad غزوہ احد	<input type="radio"/> Tabook غزوہ تبوک	<input type="radio"/> Trench غزوہ خندق	<input type="radio"/> Badr غزوہ بدر
2. When was the battle of Ahzab fought? جنگ احزاب کب لڑی گئی؟	<input type="radio"/> 2 A.H	<input type="radio"/> 3 A.H	<input type="radio"/> 4 A.H	<input type="radio"/> 5 A.H
3. Who advised to the Muslims to dig a Trench for the defense of a Madinah? کس نے مسلمانوں کو مدینہ کے دفاع کے لیے خندق کھودنے کا مشورہ دیا؟	<input type="radio"/> Hazrat Abu Bakr حضرت ابو بکر	<input type="radio"/> Hazrat Salman Farsi حضرت سلمان فارسی	<input type="radio"/> Hazrat Ali حضرت علی	<input type="radio"/> Hazrat Umar حضرت عمر
4. What is the meaning of افواء? افواء کے معنی ہیں؟	<input type="radio"/> Mouths منہ	<input type="radio"/> Disease بیماری	<input type="radio"/> Throat گلا	<input type="radio"/> news خبریں
5. Which Prophet has been given the title of نغم in the Qur'an? قرآن میں کس نبی کو نغم العبد کا لقب دیا گیا ہے؟	<input type="radio"/> Hazrat Ibrahim (A.S) حضرت ابراہیم علیہ السلام	<input type="radio"/> Hazrat yaqoob (A.S) حضرت یعقوب علیہ السلام	<input type="radio"/> Hazrat Ayoob (A.S) حضرت ایوب علیہ السلام	<input type="radio"/> Hazrat Idrees (A.S) حضرت ادریس علیہ السلام
6. There are----- obligations of ablution. وضو کے----- فرائض ہیں	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 6
7. In which Surah Hazrat Zayd bin Haritha is mentioned? حضرت زید بن حارثہ کا ذکر کس سورہ میں آیا ہے؟	<input type="radio"/> Surah Al-Ahzab سورہ احزاب	<input type="radio"/> Surah Al-Anfal سورۃ الانفال	<input type="radio"/> Surah Al-Baqrah سورہ البقرہ	<input type="radio"/> Surah Al-Fatiha سورۃ الفاتحہ

8. What is the meaning of
الْمُعَوِّقِينَ؟

الْمُعَوِّقِينَ سے کیا مراد ہے؟

Benefit

فائدہ

Fear

خوف

Protector

محافظ

Hinderers

رکاوٹیں ڈالنے والے

9. What is the meaning of
الْمَصِيرُ؟

الْمَصِيرُ سے کیا مراد ہے

Final
destination
/ return

آخری ٹھکانا / واپسی

Enmity

دشمنی

People

لوگ

Hypocrites

منافق

10- Stay at home and
don't show your
.....as the women of
the former times in of
ignorance used to show .

اے پیغمبر کی بیویوں تم جہالت کے دنوں میں
جس طرح اظہارِ تجل کرتی تھی اس
طرح..... نہ دکھاؤ

Grace

زینت

face

چہرہ

wealth

دولت

beauty

خوبصورتی

JEDDAH



Pakistan International School
Half Yearly Examination 2022
Islamiat: SSC-II

Time allowed: 2.25 hours

Total Marks:40

Note: Answer all parts from Section 'B' and attempt any two questions from Section 'C' on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (24 Marks)

Q-2. Translate any THREE of the following Quranic Verses Idiomatically: 3x3=9

مندرجہ ذیل میں سے کوئی سی تین قرآنی آیات کا با محاورہ ترجمہ کیجیے

i. يَا أَيُّهَا النَّبِيُّ اتَّقِ اللَّهَ وَلَا تُطِعِ الْكَافِرِينَ وَالْمُنَافِقِينَ ۗ إِنَّ اللَّهَ كَانَ عَلِيمًا حَكِيمًا

ii. هُنَالِكَ ابْتُلِيَ الْمُؤْمِنُونَ وَزُلْزِلُوا زَلْزَالًا شَدِيدًا

iii. لَقَدْ كَانَ لَكُمْ فِي رَسُولِ اللَّهِ أُسْوَةٌ حَسَنَةٌ لِمَن كَانَ يَرْجُوا اللَّهَ وَالْيَوْمَ الْآخِرَ وَذَكَرَ اللَّهَ كَثِيرًا

iv. وَقَرْنَ فِي بُيُوتِكُنَّ وَلَا تَبَرَّجْنَ تَبَرُّجَ الْجَاهِلِيَّةِ الْأُولَىٰ ۗ وَأَقِمْنَ الصَّلَاةَ وَآتَيْنَ الزَّكَاةَ

v. مَا كَانَ مُحَمَّدٌ أَبَا أَحَدٍ مِّن رِّجَالِكُمْ وَلَكِن رَّسُولَ اللَّهِ وَخَاتَمَ النَّبِيِّينَ ۗ

Q-3. Translate and explain any One of the given hadith and describe how they are related to our practical life. (2+2+1=5)

مندرجہ ذیل حدیث کا ترجمہ و تشریح کرتے ہوئے اس کا ہماری عملی زندگی سے تعلق واضح کیجیے۔

الصلوة عماد الدين من اقامها فقد اقام الدين ومن هدمها هدم الدين

Or

"من تخطى رقاب الناس يوم الجمعة اتخذ جسراً إلى جهنم"

Q-4 . Answer any five Questions: (5*2=10)

پانچ سوالوں کے جواب دیں:

- 1- How did Allah help the believers and made them victorious in the Battle of Confederates (Ahzaab)?
- 2- What two options did Allah give to the wives of the Holy Prophet?
- 3- What are the instructions of Allah with regard to the adopted sons?
- 4- What does ظہار mean?

- 5- What are the characteristics of Muslim men and women described in Surah Ahzaab verse 35?
- 6- How many ways are there to show gratitude to Allah?
- 7- What status of Messenger has Allah described in the verse 45 and 46 of Surah Ahzab?

- i. غزوہ احزاب میں مومنین کو اللہ کی تائید و نصرت کیسے حاصل کی ہوئی؟
- ii. سورہ احزاب میں اللہ تعالیٰ نے ازواج مطہرات کو کون سی دو باتوں میں سے کسی ایک کو اختیار کرنے کے بارے میں کہا؟
- iii. سورہ احزاب میں لے پالک بیٹوں کے بارے میں کیا ہدایات دی گئی ہیں؟
- iv. ظہار کا کیا مطلب ہے؟
- v. سورہ احزاب کی آیت ۳۵ میں مسلمان مردوں اور عورتوں کے کیا اوصاف بیان ہوئے ہیں؟
- vi. اللہ کا شکر ادا کرنے کے کتنے طریقے ہیں؟
- vii. اللہ تعالیٰ نے سورہ احزاب کی آیت نمبر 45 اور 46 میں رسول کی کیا حیثیت بیان کی ہے؟

SECTION – C (Marks - 16)

Note: Attempt any two questions. (2*8=16)

- 5 . What is purification? Write a brief note on purification in the light of Quran and Hadith.
- 6 . What is the meaning of patience? Write a note on the importance of patience and its benefits.
7. What is the complete ablution (Ghusl)? Write down the Sunnah steps of Ghusl.

- 5 طہارت کیا ہے؟ طہارت پر قرآن و حدیث کی روشنی میں مختصر نوٹ لکھیں۔
- 6 صبر کا معنی کیا ہے؟ صبر کی اہمیت اور اس کے فوائد پر ایک نوٹ لکھیں۔
- 7 غسل کا مفہوم اور غسل کا مسنون طریقہ لکھیں۔

Version No.			

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

ROLL NUMBER							

0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9



Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____





Section – A is compulsory. All parts of this Section are to be answered on this page and handed over to the Centre Superintendent.

Deleting/overwriting is not allowed. Do not use lead pencil.

Computer Science SSC-II
Half Yearly Examination 2022
SECTION – A (Marks 12)
Time allowed: 20 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پنسل کا استعمال ممنوع ہے۔

Q1. Fill the relevant bubble for each part. Each part carries one mark.

- | | | | | |
|---|---|---|---|---|
| 1. In which step of solving the problem, programmer investigate the problem? | <input type="radio"/> Defining the problem | <input type="radio"/> Analyzing the problem | <input type="radio"/> Planning the solution | <input type="radio"/> Select the solution |
| 2. Where can I put this equation if $x > 10$? | <input type="radio"/>  | <input type="radio"/>  | <input type="radio"/>  | <input type="radio"/>  |
| 3. What are the characteristics of Low level languages? | <input type="radio"/> Easy to memorize | <input type="radio"/> Depend on computer | <input type="radio"/> Easy to write | <input type="radio"/> Slow |
| 4. Which of the following is selection structure? | <input type="radio"/> switch | <input type="radio"/> for | <input type="radio"/> while | <input type="radio"/> do |
| 5. _____ is understandable by computer processor but difficult for a human to read and understand | <input type="radio"/> Object program | <input type="radio"/> source program | <input type="radio"/> Code program | <input type="radio"/> Text file |
| 6. Which program is Not the part of IDE? | <input type="radio"/> Linker | <input type="radio"/> Debugger | <input type="radio"/> Editor | <input type="radio"/> Analyzer |
| 7. _____ header file includes clrscr() function. | <input type="radio"/> conio.h | <input type="radio"/> stdio.h | <input type="radio"/> math.h | <input type="radio"/> iomanip.h |
| 8. Which of the following is Not keyword? | <input type="radio"/> long | <input type="radio"/> length | <input type="radio"/> for | <input type="radio"/> typedef |
| 9. '+' is _____ | <input type="radio"/> integer constant | <input type="radio"/> string constant | <input type="radio"/> character constant | <input type="radio"/> Float constant |
| 10. The space occupied by double is ___ bytes. | <input type="radio"/> 2 | <input type="radio"/> 4 | <input type="radio"/> 6 | <input type="radio"/> 8 |
| 11. Choose the function used to input string in C language. | <input type="radio"/> gets() | <input type="radio"/> puts() | <input type="radio"/> getch() | <input type="radio"/> getche() |
| 12. This escape sequence is used to move cursor to beginning of current line | <input type="radio"/> \r | <input type="radio"/> \a | <input type="radio"/> \n | <input type="radio"/> \b |



Pakistan International School

Half Yearly Examination 2022

Computer Science SSCII Subjective

Time allowed: 2:40 Hours

Total Marks Section B & C: 43

Section –B (marks 27)

Q2. Attempt any Nine parts from the following. All questions carry equal marks. 9x3=27

- i) Explain three criteria through which we can select the best solution of problem. (3)
- ii) Write the algorithm to find the largest of three unequal numbers. (3)
- iii) . Which of the following are valid C variables? Give the reason if not a valid variable.
6my , new file , _house , sum& , else ,sum (3)
- iv) Fill the table with number of bytes and range of data types. (3)

Data type	No of Bytes	Range
Float		
Unsigned int		
short int		

- v) Differentiate between syntax and semantic.
- vi) Draw the Flowchart to find the area of a triangle when the lengths of height and base are given $(1/2 \text{ height} \times \text{base})$. (3)
- vii) Evaluate each of the following expression assuming $a = 1, b = 5, c = 3$ and $d = 6$:
i. $a+b-c$ ii. $d\%c+a$ iii. $(d * c) - (b\%c)$ (3)
- viii) Enlist three important characteristics of Assembly language. (3)
- ix) Rewrite the program segment after removing errors: (3)

```
int main() [
```

```
    char a = 7, b = '12';
    print(" %d is integer", a)
    return 0;
];
```

- x) Why escape sequence is used? Explain any three with examples? (3)
- xi) Explain the syntax of ternary operator with one example (3)
- xii) Differentiate between basic and compound assignment statement? (3)
- xiii) Compare printf() and puts() function with atleast one example. (3)

Section –C(marks 16)

NOTE. Attempt any Two questions. All questions carry equal marks. 2x8= 16

Q.3 Define flow chart and describe its steps in detail. (2+6)

Q.4 Explain the following operators

- i. Logical OR || ii. ++ increment iii. Relational iv. Arithmetic operators
(2+2+2+2)

Q.5. i. Why format specifier are used in C language? Explain any two format specifier with example.

- ii. Describe the use and types of comments. (4+4)