

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.

P O ACCOUNTING HSSC-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 پنسل کا استعمال ممنوع ہے۔

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

1 . single-entry system is not followed in dual aspect concept so it is	<input type="radio"/> Incomplete & scientific	<input type="radio"/> complete & scientific	<input type="radio"/> complete & unscientific	<input type="radio"/> Incomplete & unscientific
2. What does single entry system contain?	<input type="radio"/> Journal	<input type="radio"/> Cash Book	<input type="radio"/> Ledger	<input type="radio"/> All of these
3. Which one is considered nonprofit making organization?	<input type="radio"/> Fan Factory	<input type="radio"/> Sugar Industry	<input type="radio"/> Hospital	<input type="radio"/> Shoe Factory
4. Receipts and payments account is included in...	<input type="radio"/> No narration	<input type="radio"/> No ledger	<input type="radio"/> Daily cash not ascertained	<input type="radio"/> All of above
5. What is the Lumpsum amount called to become a member of whole life?	<input type="radio"/> Life member ship fee	<input type="radio"/> Donation	<input type="radio"/> Subscription	<input type="radio"/> Legacy
6. What is capital fund called?	<input type="radio"/> General Fund	<input type="radio"/> Surplus Fund	<input type="radio"/> Accumulated Fund	<input type="radio"/> All of these
7. How many parties involved in consignment?	<input type="radio"/> Two	<input type="radio"/> Three	<input type="radio"/> Four	<input type="radio"/> Five
8. Who is consignee?	<input type="radio"/> Principle	<input type="radio"/> Agent	<input type="radio"/> Creditor of the consignor	<input type="radio"/> None of the above
9. Consignee sells the goods on behalf of....	<input type="radio"/> Drawer	<input type="radio"/> Drawee	<input type="radio"/> Consignor	<input type="radio"/> Agent

10. What is abnormal loss?	<input type="radio"/> Leakage	<input type="radio"/> Loss in weight due to nature	<input type="radio"/> Accident	<input type="radio"/> A&B
11. What is paid to agent to work hard to push a new line of product in the market?	<input type="radio"/> Commission	<input type="radio"/> Delcreder Commission	<input type="radio"/> Overriding Commission	<input type="radio"/> Ordinary Commission
12. What does partnership agreement contain?	<input type="radio"/> Name of Business	<input type="radio"/> Nature of work	<input type="radio"/> Profit & Loss Ratios	<input type="radio"/> All of the above
13. On the admission of a new partner if goodwill brought in cash it should be debited to	<input type="radio"/> Cash Acc	<input type="radio"/> Good Will Acc	<input type="radio"/> New Acc	<input type="radio"/> Sacrifice Ratio
14. Sacrifice ratio is equal to	<input type="radio"/> old ratio+New ratio	<input type="radio"/> Old ratio- New ratio	<input type="radio"/> New ratio-Old ratio	<input type="radio"/> New ratio-Old ratio
15. On the admission of new partner in partnership	<input type="radio"/> Old partnership has to be dissolved	<input type="radio"/> Old firm has to be dissolved	<input type="radio"/> A&B	<input type="radio"/> None of Above
16. The value of good will be calculated with the help of	<input type="radio"/> Average profit Method	<input type="radio"/> Super profit Method	<input type="radio"/> Capitalized method	<input type="radio"/> Revaluation method
17. What is capitalize method formula?	<input type="radio"/> Actual Profit/Normal x100	<input type="radio"/> Profit/No of yearsx100	<input type="radio"/> Profit/Average Profitx100	<input type="radio"/> Profit/Average Profitx200
18. Net worth is equal to...	<input type="radio"/> Assets - Liabilities	<input type="radio"/> Liabilities - Assets	<input type="radio"/> Liabilities +What Capital	<input type="radio"/> Capital+ Assets
19. The closing balance of creditors can be ascertained by preparing the	<input type="radio"/> Bills receivable Acc	<input type="radio"/> Bills Payable	<input type="radio"/> Total Debtors Acc	<input type="radio"/> Total creditors Acc
20. What is the amount received by a concern as per donor is known?	<input type="radio"/> Legacy	<input type="radio"/> Donation	<input type="radio"/> Subscription	<input type="radio"/> Expenses



Pakistan International School
Half Yearly Examination 2022
Principle of Accounting HSSCII

Time allowed: 2.40 hours

Total Marks: 80

Note: Answer any Ten parts from Section 'B' and attempt any One questions from Section 'C' Part1'and 3 from (Part II) on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks30) 10x3=30

Q 2 Attempt any TEN parts. The answer to each part should not exceed 3 to 4 lines.

- i) Define increased net worth method of single entry system.
- ii) How do you deal with the term donation under non trading account
- iii) Write three disadvantages of single-entry system.
- iv) Define non-Trading Concerns.
- v) What is special subscription
- vi) Write any three differences between consignment & sale.
- vii) Define delcreder and overriding commission.
- viii) What is an account sale?
- ix) What are the rules applicable in absence of partnership agreement.
- x) What is sacrifice ratio.
- xi) Define goodwill and name different methods of good will evaluation.
- xii) What is revaluation Account?

Section C Marks 50

Note : Attempt the Following Question . any one (20)

Atif and Aslam are partners sharing Profit in the ratios 3:2. their Balance sheet stood

As under 31-12-2016 Balance Sheet

Assets	Rs	Liabilities	Rs
Cash	2000	Creditors	38500
Stock	15000	Outstanding Liabilities	4000
Prepaid insurance	1500	Capital	
Debtors	9000	Atif 29000	
Machinery	19000	Aslam 15000	44000
Building	35000		
Furniture	5000		
	86500		86500

Zain is admitted as a new partner introducing a capital of Rs 16000. The new profit sharing ratio is decide as 5:3:2 .Zain is unable to bring in any cash for good will .So it is decided to raise goodwill account amount being calculated on the basis of Zains share in the profit and the capital contributed by him.Following revaluation account.

- i) Stock to be depreciated 5%
- ii) Provision for doubtful debts Rs 100
- iii) Furniture to be depreciated 10%
- iv) Building is valued at Rs 40000.

Required: Show the revaluation account and calculate the value of goodwill of whole business.

Qno 3 Rehman & Rahim started business with capitals of Rs 50000 & Rs 30000 on 1st jan 2022. Rahim is entitled to salary of rs 400 per month. Interest is allowed on capital and is charged on drawing at 6 % per annum. Profits are to be distributed equally after above noted adjustments. During the year Rehman withdrew Rs 8000 and Rahim Rs 10000 .The profit for the year before allowing the term s of partnership deed came to Rs 30000 .Assuming the capital to be fixed .

Required: Prepare Profit & Loss Account & Partners Account.

(Part II)

Note: Attempt all three questions.**(3x10=30)**

Q4. X and Y carrying on business in partnership keep their books by single entry system, On 1st January 2016 the statement of their Position was.

Assets	Rs	Liabilities & Capital	Rs
Cash in hand	270	Bills payable	6460
Cash at bank	2190	Sundry Creditors	20280
Bill Receivable	4060	Capital Account	
Sundry Debtors	48670	X 73400	
Stock	32850	Y 73400	146800
Plant & Machinery	80200		
Furniture	5300		
	173540		173540

The following was the statement of affairs on 31st December 2016.

Cash in hand Rs 400, cash at bank Rs 5810, Debtors Rs 56280, Bills receivable Rs 6840 Stock Rs 36730, creditors 21470, bills payable 5950.

The partners have drawn Rs 4800 each and were entitled to interest on capital 6% per Anum. No interest was payable on drawing. It was agreed to depreciate plant and machinery at 10% & furniture at 6%.

Require: Draw up a statement of profit and loss for the year ended 31st Dec 2016 and also a statement of affairs as on date.

Q5. The following is the receipts and payment account of a club for the year ended 31-12-2016

Receipts	Rs	Payments	Rs
Balance b/d	5000	Sports equipment	7000
Subscription	12000	Salaries & wages	3000
Donation	1000	Office equipment	400
Entrance fee	2000	Electric charges	600
To be capitalized		Telephone charges	600
		Balance c/d	8400
	20000		20000

- Outstanding subscription Rs 1500
- Outstanding salaries & wages Rs 1000.
- Depreciation to be charged @ 20% on sports equipment

Required: Prepare from the above particulars the income and expenditure Account of the club.

Q6. Farman of Punjab sent 100 sewing machines to Salam of Hongkong at 650 per machine. The consignor paid Rs 2000 for packing and dispatching charges. Salam immediately after receiving the consignment accepted a bill for 40000. After some times Salam reported 80 machines were sold Rs 875 and expenses being on freight, Rs 3000 on godown rent Rs 250 and on insurance Rs 500. Salam is entitled to a commission of 9% on sales. Due to insolvency of a customer who purchased 4 machines failed to pay anything.

Required: Show consignment Account Salam account and goods sent on consignment

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Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

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Fine Arts HSSC–II
Half Yearly Examination 2022
SECTION – A (Marks 08)
Time allowed: 20 Minutes

حصہ اول کل نمبر ۸

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۔

۱۔ پاکستان کے بہترین مصوروں اور خطاطوں میں شمار ہوتے ہیں۔	<input type="radio"/>	شاکر علی	<input type="radio"/>	صادقین	<input type="radio"/>	حاجی محمد شریف	<input type="radio"/>	اللہ بخش
۲۔ مسجد کا مینار سپرل کی شکل میں ہے۔	<input type="radio"/>	سلطان احمد	<input type="radio"/>	بادشاہی	<input type="radio"/>	فیصل	<input type="radio"/>	ابن طولون
۳۔ شاہ عالم رکن الدین کے مقبرے کی عمارت کی بلند ترین تاریخی عمارت ہے۔	<input type="radio"/>	کراچی	<input type="radio"/>	ملتان	<input type="radio"/>	لاہور	<input type="radio"/>	ان میں سے کوئی نہیں
۴۔ راجپوتوں پر اپنی فتح کا جشن منانے کے لیے قطب مینار کس نے بنایا؟	<input type="radio"/>	ہندو	<input type="radio"/>	افغان	<input type="radio"/>	مغل	<input type="radio"/>	ان میں سے کوئی نہیں
۵۔ شاہ رکن عالم کا مقبرہ کو نے والی عمارت ہے۔	<input type="radio"/>	۵	<input type="radio"/>	۶	<input type="radio"/>	۸	<input type="radio"/>	۹
۶۔ جہنم اور جنت کی پینٹنگ کا مصور کون تھا؟	<input type="radio"/>	ظہور الاخلاق	<input type="radio"/>	انامو کا	<input type="radio"/>	راجر زبیری	<input type="radio"/>	فیضی رحمانی
۷۔ الحمبرہ کو اسپین میں حکمرانی کرنے والے آخری مسلمان خاندان نے تعمیر کیا تھا۔	<input type="radio"/>	مغل کا۔	<input type="radio"/>	نبرد	<input type="radio"/>	احمد	<input type="radio"/>	ان میں سے کوئی نہیں
۸۔ کون سا پاکستانی فنکار 1962 میں پہلا NCA پرنسپل بنا؟	<input type="radio"/>	صادقین	<input type="radio"/>	حاجی محمد شریف	<input type="radio"/>	عابدین	<input type="radio"/>	شاکر علی



Pakistan International School
Half Yearly Examination 2022
Fine Arts HSSCII

Time allowed: 2.10 hours

Total Marks: 32

Note: Answer any Ten 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 10*2= 20)

- ۱۔ استاد اللہ بخش کے کسی بھی 4 شاہکار پینٹنگز کے نام اور ان کی نمایاں خصوصیات بتائیں۔
- ۲۔ الحمرائے شیر والے محل کی 4 خصوصیات لکھیں۔
- ۳۔ قرطبہ مسجد کی نمایاں خصوصیت کیا ہے؟
- ۴۔ ابن طولون مسجد دوسروں سے کس طرح مختلف ہے؟
- ۵۔ اینامولکا کی پینٹنگ کی خصوصیات کو قلم بند کریں
- ۶۔ حاجی محمد شریف نیچر سٹ تھے۔ وضاحت کریں۔
- ۷۔ شاہ رکن عالم کا مقبرہ کس نے تعمیر کروایا؟
- ۸۔ اسلامی دنیا میں اسلامی فن کی کیا اہمیت ہے؟ اپنے لفظ میں لکھیں۔
- ۹۔ سلطنت دور کی تعریف کریں۔
- ۱۰۔ پاکستان میں کیوبزم آرٹ کو کس آرٹسٹ نے متعارف کرایا؟
- ۱۱۔ واٹر کلر پینٹنگ کی تکنیک ہے؟ کون سے آرٹسٹ واٹر کلر کے لیے مشہور تھے؟
- ۱۲۔ نوآبادیاتی دور کی وضاحت کریں۔
- ۱۳۔ برصغیر پر ترکو-فارسی فن کے اثر کی وضاحت کریں۔

SECTION – C (Marks 2*6=12)

- نوٹ: کسی بھی دو (2) سوالات کے تفصیل سے جواب دیں۔
- ۱۔ سوال نمبر ۲۔ کون سا فن تعمیر ترکی میں اسلامی چمکدار ٹائلوں کے فن کو ظاہر کرتا ہے؟
 - ۲۔ سوال نمبر ۳۔ زین العابدین بنگالی فنکار تھے اور پاکستان کے نوجوانوں میں ان کا کیا کردار تھا؟
 - ۳۔ سوال نمبر ۴۔ قطب مینار مقامی کاریگری کی عکاسی کرتا ہے۔ وضاحت کریں۔

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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.

BANKING HSSC-II

Half Yearly Examination 2022

SECTION – A (Marks 15)

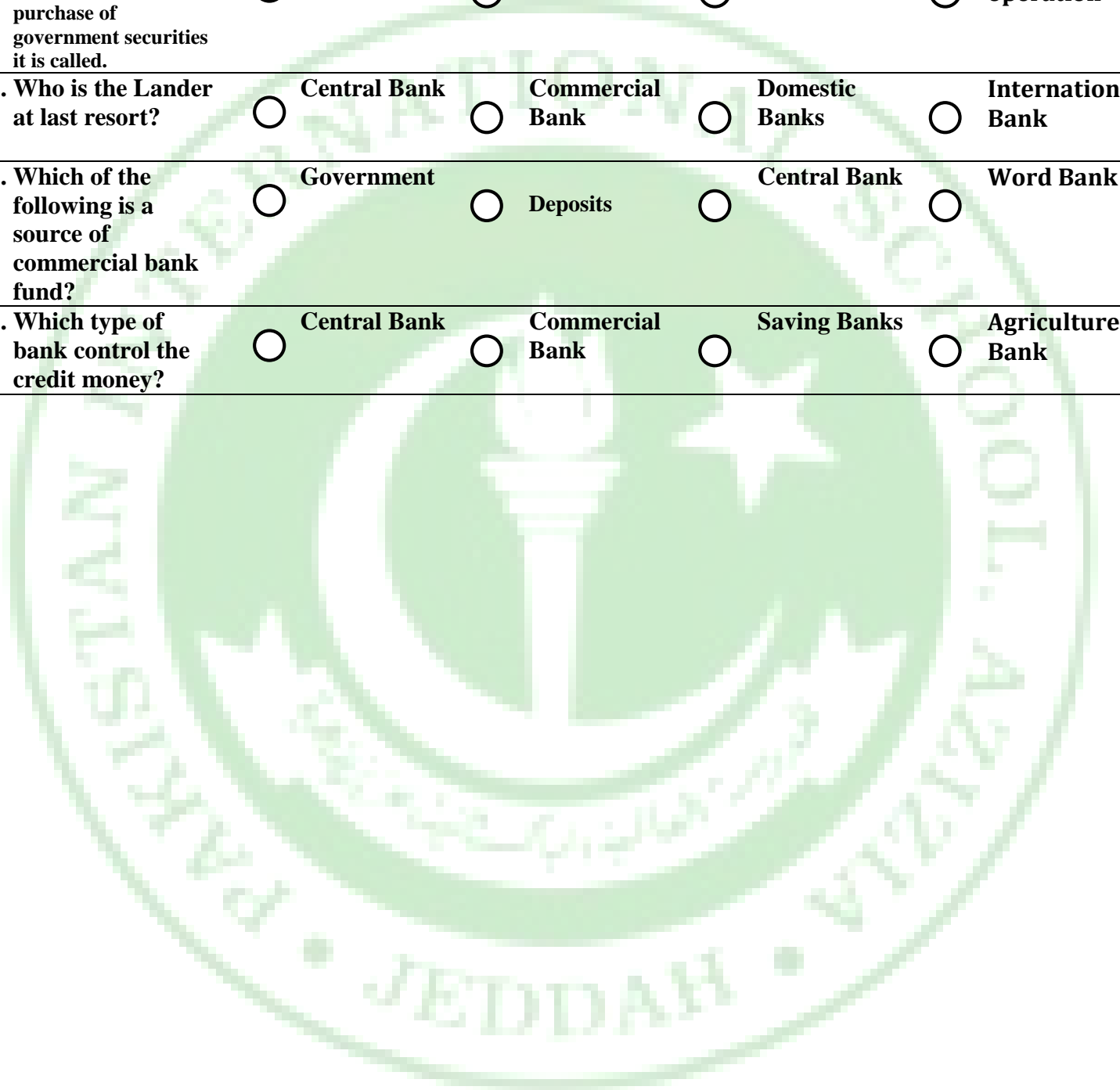
Time allowed: 15 Minutes

حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کٹ 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. The document by which the people are invited to buy share of bank is called.	<input type="radio"/>	Memorandum of Bank	<input type="radio"/>	Article of Bank	<input type="radio"/>	Certificates of Incorporation	<input type="radio"/>	Prospectus of Bank
2. How commercial banks create credit?	<input type="radio"/>	By discounting the bills	<input type="radio"/>	By investment	<input type="radio"/>	By advancing loans	<input type="radio"/>	All of these
3. Which term is used in connection with monetary policy?	<input type="radio"/>	Bank rate	<input type="radio"/>	Exchange rate	<input type="radio"/>	wage rate	<input type="radio"/>	Market rate
4. Who is the Governor of State bank of Pakistan?	<input type="radio"/>	Dr Shamshad	<input type="radio"/>	Dr Raza Baqir	<input type="radio"/>	Mr Jameel	<input type="radio"/>	All of these
5. What are the primary functions of commercial banks?	<input type="radio"/>	Accepting deposits	<input type="radio"/>	Advancing Loans	<input type="radio"/>	Transacting foreign Exchange	<input type="radio"/>	Advice to customers
6. When did state bank of Pakistan establish?	<input type="radio"/>	1947AD	<input type="radio"/>	1948AD	<input type="radio"/>	1949AD	<input type="radio"/>	1950AD
7. Whose name is mention on the face of Currency?	<input type="radio"/>	CEO of Commercial Bank	<input type="radio"/>	Governor of state Bank	<input type="radio"/>	None of these	<input type="radio"/>	None of these
8. Which banks registered with the state bank of country?	<input type="radio"/>	Non schedule Bank	<input type="radio"/>	Schedule Bank	<input type="radio"/>	Saving Banks	<input type="radio"/>	Financial institutions
9. Which category monopolized by the central bank?	<input type="radio"/>	Over draft	<input type="radio"/>	Note issue	<input type="radio"/>	Lending	<input type="radio"/>	Deposits

- | | | | | |
|---|-------------------------------------|--|---|--|
| 10. Which document is not the part of application for the registration? | <input type="radio"/> MOA of Bank | <input type="radio"/> AOA Of Bank | <input type="radio"/> Prospectus | <input type="radio"/> Certificate of incorporation |
| 11. What is the primary objective of central bank? | <input type="radio"/> Earn Profit | <input type="radio"/> Advance loans | <input type="radio"/> Protection of national interest | <input type="radio"/> none on these |
| 12. If credit money is controlled by sale and purchase of government securities it is called. | <input type="radio"/> Direct Action | <input type="radio"/> Moral Persuasion | <input type="radio"/> Change in reserve ratio | <input type="radio"/> Open market operation |
| 13. Who is the Lander at last resort? | <input type="radio"/> Central Bank | <input type="radio"/> Commercial Bank | <input type="radio"/> Domestic Banks | <input type="radio"/> International Bank |
| 14. Which of the following is a source of commercial bank fund? | <input type="radio"/> Government | <input type="radio"/> Deposits | <input type="radio"/> Central Bank | <input type="radio"/> Word Bank |
| 15. Which type of bank control the credit money? | <input type="radio"/> Central Bank | <input type="radio"/> Commercial Bank | <input type="radio"/> Saving Banks | <input type="radio"/> Agriculture Bank |





Pakistan International School
Half Yearly Examination 2022
BANKING HSSCII

Time allowed: 2.40 hours

Total Marks: 50

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 (9x4Marks=36)

Q2. Answer any nine parts, Answer should not exceed 4 to 6 lines

- i. . Write down the four features of stable Banking System.
- ii. . Briefly Explain Bank Rate policy
- iii. . Define credit creation process.
- iv. . How was the word Bank derived?
- v. . What are the principles of central bank?
- vi. . What are the limitations of credit creation?
- vii. . Write down the two methods of formation of a Bank.
- viii. What is meant by cash reserve ratio?
- ix. . Which people played vital role in early banking system?
- x. . What are the methods of note issue?
- xi. Write down any four points of prospectus of a bank.
- xii. Which documents are submitted in central bank to become a schedule Bank?

SECTION – C (Marks12x2=24)

Note: Attempt ant Two Questions All questions Carry equal marks

- Q3. Discuss in detail the functions of Commercial Bank
- Q4. Define Monetary policy and explain its objectives
- Q5. Describe various kinds of Banks in detail.

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Answer Sheet No. _____

Class/Sec: _____

Sign of Candidate: _____

Sign of Invigilator: _____

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Biology HSSC–II
Half Yearly Examination 2022
SECTION – A (Marks 17)
Time allowed: 25 Minutes

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

- | | | | | |
|--|---|---|---|--|
| 1. When you inhale, the diaphragm : | <input type="radio"/> Relaxes and moves upward | <input type="radio"/> Relaxes and moves downward | <input type="radio"/> Contracts and moves upward | <input type="radio"/> Contracts and moves downward |
| 2. Skeletal muscles contain dark band, which are anisotropic, are called : | <input type="radio"/> A band | <input type="radio"/> I band | <input type="radio"/> Z band | <input type="radio"/> M line |
| 3. The water content of human blood is regulated by ADH. In which part of the nephron does this regulation occur? | <input type="radio"/> Ascending limb of loop of Henle | <input type="radio"/> Descending limb of loop of Henle | <input type="radio"/> Bowman's capsule | <input type="radio"/> Proximal convoluted tubule |
| 4. The benefits of territoriality include : | <input type="radio"/> Rights to defend a home range | <input type="radio"/> Increased reproductive success | <input type="radio"/> Monogamy | <input type="radio"/> Pair bonding |
| 5. Which event is not associated with the activity of expiration? | <input type="radio"/> Contraction of diaphragm | <input type="radio"/> More dome like shape of diaphragm | <input type="radio"/> Backward and downward movement of rib cage | <input type="radio"/> Relaxation of external intercostal muscles |
| 6. Hybridization in plants is the technique of introducing desirable species into a hybrid by means of : | <input type="radio"/> Pollination | <input type="radio"/> Selection | <input type="radio"/> Emasculation | <input type="radio"/> Micro propagation |
| 7. A drug reduces mitochondrial activity in kidney nephrons. Which chemical will be present in increased amounts in the urine? | <input type="radio"/> Ammonia | <input type="radio"/> Glucose | <input type="radio"/> Uric acid | <input type="radio"/> Urea |
| 8. Arm and leg muscles are arranged in antagonistic pairs. How does this affect their functioning? | <input type="radio"/> It provides a backup if one of the muscles is injured | <input type="radio"/> One muscle of the pair pushes while the other pulls | <input type="radio"/> It allows the muscles to produce opposing movements | <input type="radio"/> It doubles the strength of contraction |
| 9. The responses of an organism to signals from its environment are its : | <input type="radio"/> Behaviour | <input type="radio"/> Culture | <input type="radio"/> Releaser | <input type="radio"/> Motor programs |

- | | | | | |
|--|--|--|--|---|
| 10. The artificial active immunity is achieved by injecting small amount of antigen called : | <input type="radio"/> Antibodies | <input type="radio"/> Toxin | <input type="radio"/> Vaccine | <input type="radio"/> Serum |
| 11. Humans excrete small quantities of uric acid which is produced from the breakdown of : | <input type="radio"/> Proteins | <input type="radio"/> Nucleic acid | <input type="radio"/> Ammonia | <input type="radio"/> Glucose |
| 12. Bone dissolving cells are called : | <input type="radio"/> Chondrocytes | <input type="radio"/> Osteoblasts | <input type="radio"/> Osteoclasts | <input type="radio"/> Osteocytes |
| 13. The spasmodic contraction of the diaphragm while the glottis is closed, producing a sharp respiratory sound. What is it? | <input type="radio"/> Snoring | <input type="radio"/> Coughing | <input type="radio"/> Hiccups | <input type="radio"/> Sneezing |
| 14. Which ion is essential for muscle contraction? | <input type="radio"/> Na | <input type="radio"/> K | <input type="radio"/> Ca | <input type="radio"/> Cl |
| 15. Measles is an infectious viral disease that occurs most often in : | <input type="radio"/> Late winter and autumn | <input type="radio"/> Late winter and summer | <input type="radio"/> Late winter and spring | <input type="radio"/> Winter and rainy days |
| 16. When drosophila were exposed to a particular odor and electric shock at the same time, they started to avoid the odor. This is an example of : | <input type="radio"/> Classical conditioning | <input type="radio"/> Reasoning | <input type="radio"/> Imprinting | <input type="radio"/> Habituation |
| 17. Scapula is connected with sternum by : | <input type="radio"/> Ribs | <input type="radio"/> Carpals | <input type="radio"/> Clavicle | <input type="radio"/> Atlas |



Pakistan International School
Half Yearly Examination 2022
BIOLOGY HSSCII

Time allowed: 2.35 hours

Total Marks: 85

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

Q1. Attempt any fourteen parts from the following. All parts carry equal marks. Be brief and to the point. (14×3=42)

- i. What is chloride shift?
- ii. Differentiate between peritoneal dialysis and haemodialysis.
- iii. Write the differences between innate behaviour and learning behaviour.
- iv. Draw a diagram of sarcomere and label its parts.
- v. What is the importance of vaccination?
- vi. Describe the structure and function of alveoli.
- vii. What are the four steps required for bone fracture repair?
- viii. What is anhydrobiosis?
- ix. Differentiate between oral polio virus vaccine and hepatitis B vaccine.
- x. What is a pheromone?
- xi. Why do blood and dialysate flow in opposite direction?
- xii. Write a note on ventilation
- xiii. What are biological rhythms? How biological rhythms are important to man?
- xiv. Name the bones of cranium.
- xv. Describe vaccination against measles, tetanus and hepatitis.
- xvi. Differentiate between oxyhaemoglobin and carboxyhaemoglobin.
- xvii. Explain animal husbandry. Give examples.
- xviii. Why women are more likely to acquire UTI as compared to men?
- xix. Write a brief note on tropisms.
- xx. What are the main types of joints found in bones?

SECTION – C (Marks 26)

Note: Attempt any two questions. All questions carry equal marks. (2×13=26)

- Q3.** a. Explain the sliding filament model of muscle contraction.
b. What are instincts? How can you justify instincts as a type of innate behaviour?
- Q4.** a. How the control of breathing takes place?
b. Explain the structure of cartilage with diagram.
- Q5.** a. Explain sewage treatment process.
b. What are kidney stones? Discuss the causes and treatment of kidney stones.

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.

Business Statistics HSSC–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 پنسل کا استعمال ممنوع ہے۔

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

1. A measure computed from sample data is called	<input type="radio"/> Parameter	<input type="radio"/> Statistics	<input type="radio"/> Statistic	<input type="radio"/> Data
2. Non measurable quantities are:	<input type="radio"/> Continuous variable	<input type="radio"/> Constant	<input type="radio"/> Discrete variable	<input type="radio"/> Attribute
3. The process by which things are arranged in groups or classes is called:	<input type="radio"/> Classification	<input type="radio"/> Tabulation	<input type="radio"/> Graph	<input type="radio"/> None of these
4. Translation Of statistical data into geometrical figures is called:	<input type="radio"/> Graphs	<input type="radio"/> Diagrams	<input type="radio"/> Both graph & diagrams	<input type="radio"/> None of these
5. The class mark is defined as:	<input type="radio"/> Class interval	<input type="radio"/> Class boundary	<input type="radio"/> Midpoint	<input type="radio"/> Class limits
6. The number of observations falling in a particular class is known as:	<input type="radio"/> Class frequency	<input type="radio"/> Class limit	<input type="radio"/> Class mark	<input type="radio"/> Midpoint
7. Graph of frequency distribution is called	<input type="radio"/> histogram	<input type="radio"/> historigram	<input type="radio"/> frequency curve	<input type="radio"/> Pie diagram
8. The median of 3,4,5,6,9,10, 12 is:	<input type="radio"/> 5	<input type="radio"/> 9	<input type="radio"/> 6	<input type="radio"/> 5.5
9. The most frequent value in the data is called	<input type="radio"/> Mode	<input type="radio"/> Median	<input type="radio"/> G.M	<input type="radio"/> H.M
10. The relation between mean, median, mode i.e. Mode = 3 Median -2 mean is called:	<input type="radio"/> Symmetrical	<input type="radio"/> Asymmetrical	<input type="radio"/> Empirical	<input type="radio"/> All of these



Pakistan International School
Half Yearly Examination 2022
Business Statistics HSSCII

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 32)

Q#2. Attempt any EIGHT part of the following. 8x4=32

1. Differentiate between parameter and statistic?
2. Define descriptive statistics?
3. Define primary data?
4. What is the parameter?
5. What do you mean by bivariate frequency distribution?
6. What are the important types of averages?
7. what is the histogram?
8. what are the advantages of diagrams?
9. Find A.M given that $\bar{X} = 10 + 5u$ $\sum fu = 46$ and $\sum f = 125$.
10. If $L = 18$ $f_m = 52$ $f_1 = 47$ $f_2 = 36$ $h = 4$ Find Mode

SECTION – C (Marks 16)

Attempt any two questions from the following

Q#3:

- a) Calculate the arithmetic mean by indirect method (short-cut Method) from the following data: 25,20,35,28,20,18,28,19,16, 8
- b) Calculate the arithmetic mean by step deviation method from the following data: 3.5, 4, 4.5, 5, 5.5, 6, 6.5
- c) In a certain distribution mean is 45 and mode is 50 then find median.

Q#4: Find the mean median and mode of the following data

Class limits	3.0-3.9	4.0-4.9	5.0-5.9	6.0-6.9	7.0-7.9	8.0-8.9
F	13	27	40	30	16	4

Q#5:

- a) The reciprocals of the values of the variables X are 0.500,0.400,0.200,0.0285,0.0143 Find \bar{x}
- b) $\sum(x-10)=2.8$, $n=5$ Find \bar{x}
- c) Average weight of 10 students is 60 kg and average weight of 15 students is 64 kg. Find average weight of all the 25 students

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.

Chemistry HSSC–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. The IUPAC name of the following compound, $\text{CH}\equiv\text{C}-\text{CH}=\text{CH}-\text{CH}_3$

Penta-2-ene-4-yne Penta-3-ene-5-yne Penta-3-ene-1-yne Penta-4-ene-2-yne

2. Which of the following alcohols will be most easily dehydrated to give an alkene?

3-propanol 2-methyl-2-propanol 1-propanol 2-propanol

3. Give the systematic name for $\text{Ni}(\text{CO})_4$.

Pentacarbonyl Iron (IV) Pentacarbonyl Nickle (II) Tetracarbonyl Nickle (III) Tetracarbonyl Nickle (0)

4. Resonance energy of benzene is ?

208 kJ/mole 320 kJ/mole 210 kJ/mole 152 kJ/mole

5. Due to inert pair effect, ---- oxidation state is more stable than ---- for Pb.

+2,+4 +2,+3 +2,+1 +2,+6

6. Oxidizing power of halogens depends upon --

Energy of dissociation Electron Affinity Heat of vaporization All of above

7. Acidified potassium permanganate act as a strong

Oxidizing agent Reducing agent Electrolytic agent Hydrolyzing agent

8. Magnetic moment of an atom or ion is the measure of its number of unpaired

Electrons Protons Neutrons Nucleons

9. Li_2CO_3 is thermally unstable whereas other Group-I carbonates are stable. Predict the reason

- Li^+ can effectively polarize CO_3^{-2} ion Li^+ can't effectively polarize CO_3^{-2} ion Li is less electropositive Li has low I.E

10. Label the element in the first series of outer transition elements that has highest binding energy.

- Titanium Chromium Vanadium Manganese

11. Oxalate Ion is ___ ligand?

- Bidentate Hexadentate Tridentate Monodentate

12. Predict the product of acid hydrolysis of 1-butyne in the presence of HgSO_4 catalyst.

- Acetaldehyde Propanal 2-Butanol 2-butanone

13. Identify the product Y in the following scheme:

$\text{C}_6\text{H}_6 + \text{CH}_3\text{Cl}$ in the presence of AlCl_3 , X product will be produced. Then that X will be reacted with $\text{KMnO}_4 / \text{H}_2\text{SO}_4 \rightarrow \text{Y}$

- Benzoic acid Acetophenone Aldehyde Xylene

14. Predict the coordination number in $[\text{Pt}(\text{OH})_2(\text{NH}_3)_4] \text{SO}_4$.

- 4 -4 6 2

15. Predict which one of the following metal hydroxide is least soluble in water?

- $\text{Sr}(\text{OH})_2$ $\text{Mg}(\text{OH})_2$ $\text{Ba}(\text{OH})_2$ $\text{Ca}(\text{OH})_2$

16. Predict the color change when a base is added into potassium dichromate solution:

- Yellow to blue Yellow to orange Orange to yellow Green to yellow

17. Benzene cannot go undergo:

- Substitution Elimination Oxidation Reduction



Pakistan International School
Half Yearly Examination 2022
Chemistry HSSCII

Time allowed: 2.40 hours

Total Marks: 42

Note: Answer any Fourteen 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 14x3 =42)

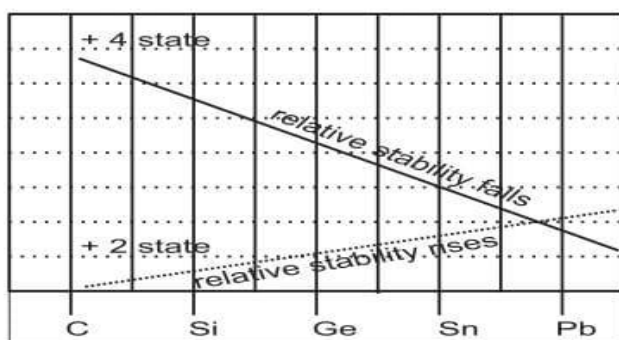
Q2. Attempt any fourteen parts. All parts carry equal marks.

i. Give Justification in Front of each Statement.

CO ₂ & SiO ₂ are different or similar? Justify.	
Electron Affinity of Fluorine is less than that of Chlorine	
Cations are smaller & Anions are bigger than their Parent atoms. Why?	

ii. The terta halides of Carbon are not hydrolysed while those of Si & Sn get readily Hydrolysed. Justify this statement.

iii. Explain Relatively Stabilities of +2/+4 oxidation states of Group 4 elements with the help of this graph.



iv. Elaborate the chemistry of Iron (Ferrous & Ferric ions) ?Justify Your answer with the help of Chemical Equations & Diagram.

v. What is d-d Splitting in Complexes of Transition Elements? Elaboarate your answer with the help of Diagram.

vi. Draw the structures of the following compounds.

(a)Resorcinol (b)TNT (c)Durene

vii. Elaborate Catalytic oxidation of Benzene with the help of chemical equation.

viii. Benzene is more stable due to loss of extra energy during its formation, explain this extra stability of benzene with respect to energy level diagram.

ix. How will you convert following compounds?

- (a) Acetylene -> Acetone
 (b) Ethene -> Halohydrin
 (c) Benzene -> maleic anhydride

x. How Fajan rule controls the covalent or ionic character of group IV A elements?

xi. Hexagonal planar geometry, trigonal prismatic geometry and regular octahedral geometry have coordination number 6. Draw their structures. Which structure is acceptable by the compounds having co-ordination number 6 and why?

xii. Describe the optical isomerism of (+), (-) and (±) Lactic acid & Tartaric Acid with its structure.

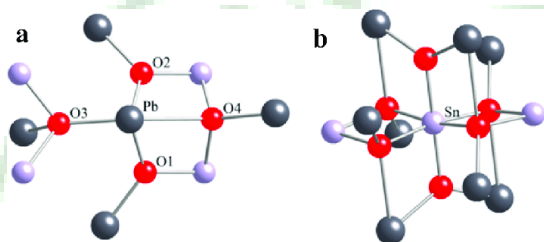
xiii. Justify the following compounds.

Milk of Magnesia	
Benzyl Chloride	
Acetophenone	

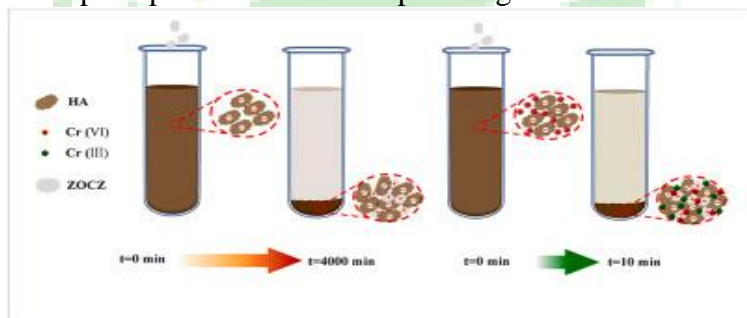
xiv. Fill in the missing boxes.

$[\text{Co}(\text{NO}_2)_3(\text{NH}_3)_3]$	
	TetraaminechloronitroPlatinum (...) Sulphate
$\text{Na}_2[\text{Ni}(\text{CN})_4]$	

xv. Ionization energy of Lead is greater than Tin, although it decreases down the group, why?



xvi. How does Chromium (III) changes to Chromium (VI) ? Elaborate it Regarding Oxidation/Reduction concept.Explain it with the help of diagram.



xvii. Elaborate Electrophilic Substitution reaction of sulphonation of Benzene with mechanism .

xviii. How does Nitric acid will oxidize V^{2+} to V^{4+} ? Why does Nitric acid not oxidize V^{4+} to V^{5+} ? Explain.

xix. Why are some groups ortho / para and meta directors? Explain with examples.

xx. Give chemical tests to detect Nitrogen in an organic compound.

xxi. What sort of precipitates will be formed after reacting Acetylene with silver Nitrate & Cuprous Chloride?

xxii. Analyze Brass, Bronze & nichrome with composition, properties & Uses.

SECTION – C (2x13 =26 Marks)

Q.No.3.(a) How does beryllium differ from the members of its own family? (7)

(b) Discuss the role of Potassium dichromate (VI) and potassium manganate (VII) as an oxidizing agent.(6)

Q.NO.4.(a) Deduce Products from Friedal Crafts Acylation Reaction of Benzene with Complete Mechanism. (7)

(b) Ammonia act as a Base & Act as well as Ligand. Prove this statement by the reaction with copper ions. (6)

Q.NO.5.(a) How Benzyl ,Benzal & Benzotrchloride will be formed from Toulene? (6)

(b) Complete the following Chemical equation with complete mechanism

$\text{MX}_4 + 4\text{H}_2\text{O} \rightarrow$ (7)

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.

Commercial Geography HSSC–II Half Yearly Examination 2022

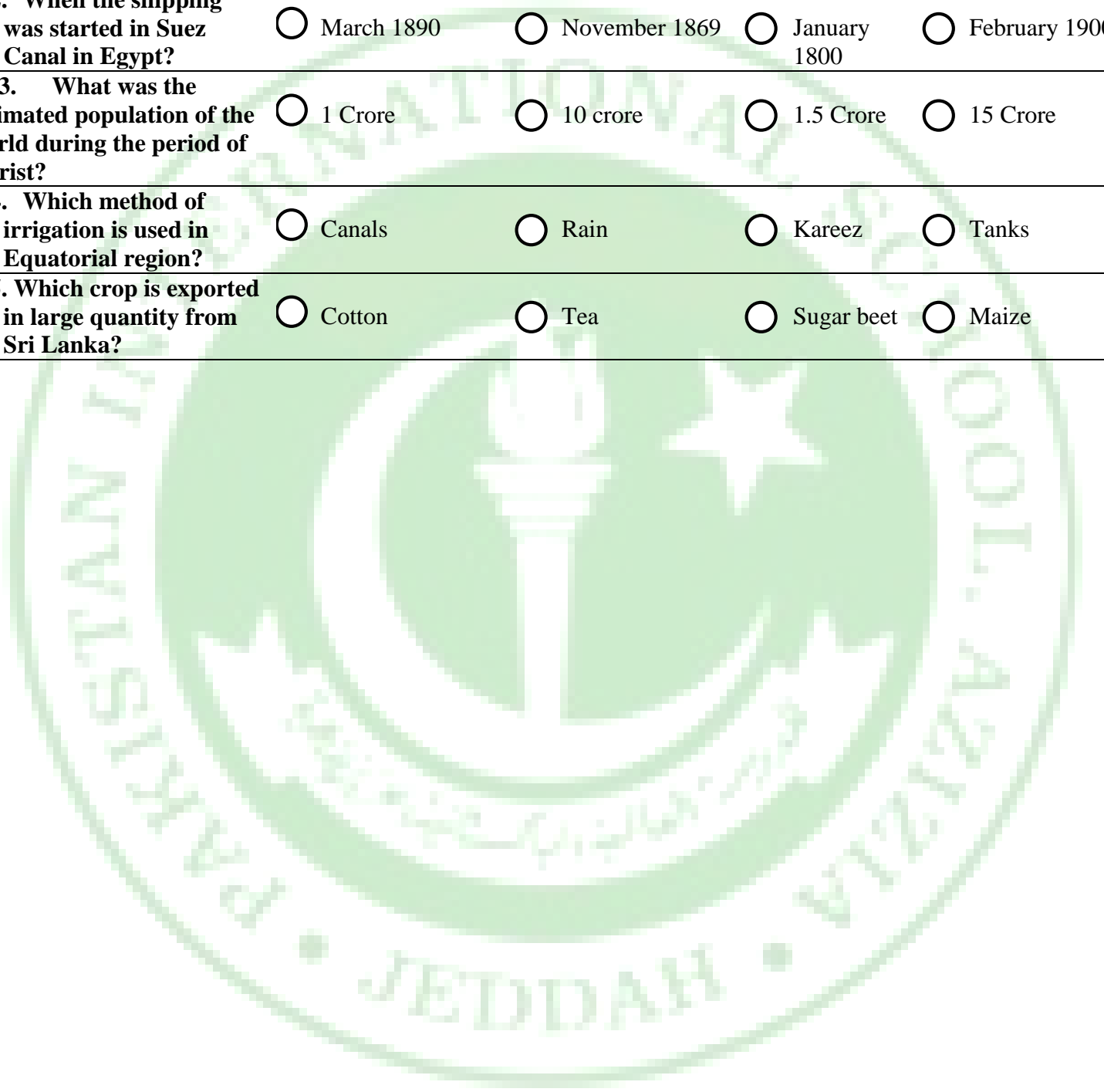
SECTION – A (Marks 15)
Time allowed: 20 Minutes

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. At which time the Arab traders used to go for trade in olden days. | <input type="radio"/> At the day time | <input type="radio"/> At the time of night | <input type="radio"/> At morning time | <input type="radio"/> At the time of evening |
| 2. In which branch of Physical Geography, study of Oceans is performed. | <input type="radio"/> Regional Geography | <input type="radio"/> Hydrosphere | <input type="radio"/> Political Geography | <input type="radio"/> Practical Geography |
| 3. Which factor is most important for the industrial development of the country? | <input type="radio"/> Location | <input type="radio"/> Raw Material | <input type="radio"/> Climate | <input type="radio"/> Means of Transportation |
| 4. Which type of gas is absorbed by the plants or forests from air? | <input type="radio"/> Nitrogen | <input type="radio"/> Carbon dioxide | <input type="radio"/> Oxygen | <input type="radio"/> Helium |
| 5. At which type of soil, vegetation cannot grow? | <input type="radio"/> Clayey soil | <input type="radio"/> Gravelly soil | <input type="radio"/> Sandy soil | <input type="radio"/> Loamy soil |
| 6. Which type of natural vegetation is found in cold regions? | <input type="radio"/> Dense forest | <input type="radio"/> Mosses & Lichen | <input type="radio"/> Grassland | <input type="radio"/> Coniferous forest |
| 7. Where the Equatorial evergreen forests are found? | <input type="radio"/> Tundra Region | <input type="radio"/> Equatorial region | <input type="radio"/> Hot Desert Region | <input type="radio"/> Mediterranean Region |
| 8. Animal keeping or herding is considered as a: | <input type="radio"/> Secondary Economic Activity | <input type="radio"/> Primary Economic Activity | <input type="radio"/> Tertiary Economic Activity | <input type="radio"/> Quaternary Economic Activity |
| 9. Which continent is leading in the production of wool in the world? | <input type="radio"/> Europe | <input type="radio"/> Australia | <input type="radio"/> North America | <input type="radio"/> Africa |

-
10. Which country is leading producer of fertilizers in the world? China USA Russia India
-
11. When the "Alfred Weber" presented the theory of industrial location. 1850 1909 1757 1901
-
12. When the shipping was started in Suez Canal in Egypt? March 1890 November 1869 January 1800 February 1900
-
13. What was the estimated population of the world during the period of Christ? 1 Crore 10 crore 1.5 Crore 15 Crore
-
14. Which method of irrigation is used in Equatorial region? Canals Rain Kareez Tanks
-
15. Which crop is exported in large quantity from Sri Lanka? Cotton Tea Sugar beet Maize
-





Pakistan International School
Half Yearly Examination 2022
Commercial Geography: XII

Time allowed: 2:40 hours

Total Marks: 60

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) (4×9=36)

Q2. Answer any Nine parts. The answer to each part should not exceed 5 to 6 lines.

- i. How the study of commercial geography can help the rulers of a country?
- ii. What are primary & secondary activities?
- iii. Which factors are responsible for different types of vegetation found in the world?
- iv. Which types of forests are found in monsoon region?
- v. What do you know about natural silk?
- vi. Describe the conditions which are favourable for the growth of natural rubber.
- vii. Explain moderate density areas.
- viii. What are the types of wheat?
- ix. Elaborate economic factors that affect agriculture.
- x. What do you know about the population explosion in the world?
- xi. Which factors are essential for beef cattle?
- xii. What is the importance of vegetation?

SECTION – C (Marks)

(2×12=24)

Q3. Attempt any two questions. All questions carry equal marks.

- i. Describe the conditions that are favourable for the growth of cotton. Also explain its cultivation & uses.
- ii. Write in detail the factors involved for the localization of industries.
- iii. Which methods are used for cultivation in agriculture? Explain.

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.

Computer Science HSSC-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 پنسل کا استعمال ممنوع ہے۔

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

- When computer is turned on, the software loads in RAM is _____
 MS Word Operating System Skype Application software
- On which computers DOS had been used successfully?
 Microcomputers Mainframe computers Super Computers Mini Computers
- _____ phase involved monitoring, evaluating, repairing and improving the system throughout the life time of the system
 Development Investigation Analysis Maintenance
- A program is stored in computer as _____
 JPG file Dynamic Instance Excel file Text file
- Select the state that is NOT is not a part of process states.
 Start New Ready Terminated
- Choose the phase of SDLC in which we try to find alternative solution instead of creating new product.
 Feasibility Analysis Planning Defining
- The person who studies the problem and plan solution to them is
 Programmer Analyst Tester Customer
- Which of the following is Not keyword?
 Area if for Struct
- What is variable name?
 pointer address in hard disk memory location None of these
- The space occupied by double is ____
 2 4 6 8
- '8' is _____ in C++
 Character int float Number
- Which of the following is extraction operator?
 << >> <> <-

13. Choose the function used to input string in C++ gets() puts() getch() Getche()

14. This escape sequence is used to move cursor to beginning of current line \r \a \n \b

15. The result of expression $4+5/2$ is 6 6.5 7 7.5



Pakistan International School

Half Yearly Examination 2022

Computer Science HSSCII Subjective

Time allowed: 2:40 Hours

Total Marks Section B & C: 60

Section –B (marks 36)

- Q2. Attempt any TWELVE parts from the following. All questions carry equal marks. 12x3=36**
- i) Differentiate between Real time and Time sharing OS and also where these OS are used in Real life. (3)
 - ii) What is process and how is it different from program? (3)
 - iii) Write down the reasons of the following invalid variables names: (1+1+1)
 - a) 8set
 - b) My file
 - c) double
 - iv) What will be the output of the following program segment? (1+1+1)


```
int x = 7, y = 15 ;
cout<<x+y<<x/y<<(y%x) +( x*x);
```
 - v) Write down the output of the following statements: (1+1+1)
 - i. (x > -6) OR (y < 10) where x = 10 y = 10
 - ii. 2.5 + 18.0 % 3.0 – 2.5
 - iii. int m = 8, n = 6 ;


```
cout<<+m;
cout <<n++;
```
 - vi) Write a C++ program that prints sum ,product and average of three numbers on screen. (3)
 - vii) Describe the use of setw and endl in C++. (3)
 - viii) What is system? (3)
 - ix) Rewrite the program segment after removing errors: (3)


```
void main() [
    integer a = 7, b = '12';
    cout>>a+b;
];
```
 - x) Write down the tasks of operating system? (3)
 - xi) Enlist the use of following header file 1. iomanip.h, 2. String.h 3.time.h (3)
 - xii) How UNIX can be better choice than windows? (3)
 - xiii) When you get message that “space is full” in computer then how operating system handle this situation. Explain (3)
 - xiv) Elaborate ready, new and waiting state of Process (3)
 - xv) Why requirement validation is important and how is it different from verification? (3)
 - xvi) What is the role of project manager in SDLC (3)

Section –C(marks 24)

NOTE. Attempt any THREE questions. All questions carry equal marks. 3x8=24

- Q.3 What are the objectives of System Development Life Cycle? Explain the Deployment phase of SDLC with Diagram: (2+6)
- Q.4 i. Differentiate between process and thread (4)
 ii. Describe the following i. Multithreading ii. Multiprogramming (2+2)
- Q.5 i. Explain type casting and its types with example. (5)
 ii) Enlist the rules for naming the variable. (3)

Q.6 Determine the output of the following C++ program and fill the columns of the given table.
(8)

```
int a =5 ,b =3,c=2,d,e=7,f=6,g;
cout<<a++;
b=b+a;
cout<<b;
c+=b;
cout <<c;
d=f%e;
cout <<d;
cout<<+e;
cout<<f;
cout<<g;
h=e+f+g
cout<<h;
```

Variable	output
a	
b	
c	
d	
e	
f	
g	
h	

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	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.

Education HSSC–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 پنسل کا استعمال ممنوع ہے۔

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

1. Who introduced education through maktab and madrasa? مکتب اور مدرسہ کے ذریعہ تعلیم کا آغاز کس نے کیا؟	<input type="radio"/> Muslims مسلمانوں	<input type="radio"/> Jews یہودیوں	<input type="radio"/> Christians عیسائیوں	<input type="radio"/> Hindus ہندوؤں
2. Who is known as the founder of British education in the subcontinent? کس کو برصغیر میں برطانوی نظام تعلیم کا بانی کہا جاتا ہے؟	<input type="radio"/> Robert Brown رابرٹ براؤن	<input type="radio"/> Hindus ہندو	<input type="radio"/> Mount Batten ماؤنٹ بیٹن	<input type="radio"/> Lord Macaulay لارڈ میکالے
3. Where did Sir Syed Ahmed Khan form the educational Committee? سر سید احمد خان نے تعلیمی کمیٹی کہاں قائم کی تھی؟	<input type="radio"/> Banaras بنارس	<input type="radio"/> Bombay بمبئی	<input type="radio"/> Delhi دہلی	<input type="radio"/> Calcutta کلکتہ
4. How many educational institute for Muslims were there in India according to William Adam? ولیم آدم کے مطابق ہندوستان میں مسلمانوں کی تعلیمی اداروں کی تعداد کتنی تھی؟	<input type="radio"/> 20 Thousand بیس ہزار	<input type="radio"/> One Lakh ایک لاکھ	<input type="radio"/> 10 Thousand دس ہزار	<input type="radio"/> 20lac بیس لاکھ
5. Up to which level, English was made compulsory in British Curriculum in the subcontinent? برصغیر میں برطانوی نظام تعلیم میں انگریزی زبان کو کس درجہ تک لازمی قرار دے دیا گیا؟	<input type="radio"/> M.A ایم اے	<input type="radio"/> F.A ایف اے	<input type="radio"/> Matric میٹرک	<input type="radio"/> B.A بی اے
6. Who categorized knowledge into compulsory and optional subjects? کس مفکر تعلیم نے لازمی مضامین کو فرض عین قرار دیا؟	<input type="radio"/> Imam Ghazali امام غزالی	<input type="radio"/> Ibne Sina ابن سینا	<input type="radio"/> Allama Zarnoji علامہ زرنوجی	<input type="radio"/> Ibne khuldun ابن خلدون
7. In the curriculum of Dars-e-Nizami, which is more emphasized instead of information? درس نظامی کے نصاب میں معلومات کی بجائے کس پر زیادہ زور دیا جاتا تھا؟	<input type="radio"/> On the Holy Quran قرآن	<input type="radio"/> On Psychology نفسیات	<input type="radio"/> On hadith حدیث	<input type="radio"/> On philosophy and logic فلسفہ اور منطق
8. What is the designation of 'Imam Ghali' in 'Nizamia Baghdad'? امام غزالی کا نظامیہ بغدادیہ میں کیا عہدہ تھا؟	<input type="radio"/> Mudarass مدرس	<input type="radio"/> Qazi قاضی	<input type="radio"/> Sadar صدر	<input type="radio"/> Wazir وزیر

9. Which school was built for higher education? کونسا مدرسہ اعلیٰ درجے کی تعلیم کے لیے بنایا گیا؟	<input type="radio"/> Jamia Baghdad جامعہ بغدادیہ	<input type="radio"/> Jamia Mustansria جامعہ مستنصریہ	<input type="radio"/> Jamia Azhar جامعہ ازہر	<input type="radio"/> Jamia Puniab جامعہ پنجاب
10. According to sergent report, how many types of higher schools were there? سارجنٹ رپورٹ میں ہائی اسکولوں کی تعداد کتنی تھی؟	<input type="radio"/> 2 دو	<input type="radio"/> 6 چھ	<input type="radio"/> 1 ایک	<input type="radio"/> 10 دس
11. Which institution was founded by Sir Syed Ahmed Khan in 1864? 1864 میں سر سید احمد خان نے کس ادارے کی بنیاد رکھی؟	<input type="radio"/> Aligarh college علیگڑھ	<input type="radio"/> Scientific society سائنٹفک سوسائٹی	<input type="radio"/> Aligarh institute علی گڑھ انسٹیٹیوٹ	<input type="radio"/> Education committee تعلیمی کمیٹی
12. Which year was the university of Punjab established? پنجاب یونیورسٹی کب قائم ہوئی؟	<input type="radio"/> 1882	<input type="radio"/> 1857	<input type="radio"/> 1864	<input type="radio"/> 1877
13. Which of the following books were written by Allama Zarnoji? علامہ زرنجی نے کون سی کتاب تحریر کی؟	<input type="radio"/> Kimia-ul-Sadat کیمیاء السادات	<input type="radio"/> Al-Shifa الشفاء	<input type="radio"/> Taleemul Matalum تعلیم و متعلم	<input type="radio"/> Ahaial Aloom احیائے علوم
14. Who established the Deoband movement? تحریک دیوبند کس نے قائم کی؟	<input type="radio"/> Syed Ahmed Shaheed سید احمد شہید	<input type="radio"/> Shah Waliullah شاہ ولی اللہ	<input type="radio"/> M. Qasim Nanotavi قاسم نانوتوی	<input type="radio"/> Sir Syed سر سید احمد
15. What was called the teacher of Madarisa in Muslim era? مسلمانوں کے عہد میں مدارس کے استاد کو کیا کہتے تھے؟	<input type="radio"/> Mu'alum معلم	<input type="radio"/> Mudaras مدارس	<input type="radio"/> Teacher استاد	<input type="radio"/> Educationist عالم
16. Which educational movement promoted Urdu language? کس تعلیمی تحریک نے اردو زبان کو فروغ دیا؟	<input type="radio"/> Aligarh علیگڑھ	<input type="radio"/> Deoband دیوبند	<input type="radio"/> Nadri نادری	<input type="radio"/> Jamia Milia جامعہ ملیہ
17. British entered the subcontinent for/to انگریز ہندوستان میں کس لیے آئے تھے؟	<input type="radio"/> Job نوکری	<input type="radio"/> Trade تجارت	<input type="radio"/> Education تعلیم	<input type="radio"/> Rule حکومت
18. How many volumes of the book 'Al-Shifa' are there? کتاب شفاء کتنی جلدوں پر محیط ہے؟	<input type="radio"/> 18	<input type="radio"/> 17	<input type="radio"/> 19	<input type="radio"/> 14
19. Suffa belongs to which language? صفہ کس زبان کا لفظ ہے؟	<input type="radio"/> Hebrew عبرانی	<input type="radio"/> Persian فارسی	<input type="radio"/> Sanskrit سنسکرت	<input type="radio"/> Arabic عربی
20. What was the medium of instructions suggested in Charter Act of the British? انگریزوں کے چارٹر ایکٹ میں ذریعہ تعلیم کیا تھا؟	<input type="radio"/> Persian فارسی	<input type="radio"/> Hindi ہندی	<input type="radio"/> Urdu اردو	<input type="radio"/> English انگریزی



Pakistan International School
Half Yearly Examination 2022
Education HSSCII

Time allowed: 2.40 hours

Total Marks: 80

Note: Answer any fifteen 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 50)

Q2: a. Attempt any fifteen parts from the following:

(15X3=45)

- 1-Differentiate between Maktab and Madrassa.
- 2-What were the objectives of education in Muslim period?
- 3-Briefly write the education condition of the sub-continent at the time of arrival of British.
- 4- Describe the main features of Darse-Nizami?
- 5- State the effects of Aligarh movement.
- 6- When and how East India company start in the sub-continent?
- 7-What do you know about Monitorial System?
- 8-Why did the Ibn-e - Sina declare the relational logic and wisdom the ultimate source of knowledge?
- 9-Write the objective of DeoBend Movement.
- 10- Why did the Deoband movement failed to meet the economic needs of the Muslims of the sub- continent.
- 11- Identify the educational objectives in view of Allama Zarnogy?
- 12- Write down the educational objectives of British Education System.
- 13- Enlist the main points of Sergeant Report.
- 14- Outline the deep study method for higher education suggested by Muslim of the sub-continent.
- 15- How can the method of teaching proposed by Ibn-e-Khaldun be effective of teacher?
- 16- Recapitulate the steps of Muslim Curriculum.
- 17- What did the Sir William Hunter write about Indian Muslims?
- 18- Briefly explain the thoughts of Imam Ghazali about Farz -e-bAin and Farz - e- Kifaya.
- 19- Describe curriculum of the secondary education in the Muslim period in sub-continent.
- 20- State the important features of Benting Resolution.
- 21-Write an account on curriculum suggested by Imam Ghazali.

b) Attempt any one part.

5

- 1) Enlist the features of woods dispatch.
- 2) Write a note character Act 1813.

1 مکتب اور مدرسہ کا فرق واضح کریں۔

2 برصغیر میں مسلمانوں کے عہد میں مقاصد تعلیم کیا تھے؟

3 انگریزوں کی آمد کے وقت برصغیر کی تعلیمی حالت کیا تھی؟

4 درس نظامی کی خصوصیات لکھیے۔

- 5 بر صغیر علیگڑھ کے اثرات بیان کریں۔
- 6 بر صغیر میں ایسٹ انڈیا کمپنی کا آغاز کب اور کیسے ہوا؟
- 7 مانٹوریل سسٹم سے کیا مراد ہے؟
- 8 ابن سینا عقل اور منطقی استدلال کو علم کے حصول کا صحیح ترین ذریعہ کیوں قرار دیتے ہیں؟
- 9 تحریک دیوبند کے مقاصد تحریر کریں۔
- 10 تحریک دیوبند مسلمانوں کے معاشی ضروریات کو پورا کرنے میں کیوں ناکام رہی؟
- 11 علامہ زرنوجی کے نزدیک تعلیم کے مقاصد کیا تھے؟
- 12 بر صغیر میں برطانوی نظام تعلیم کے مقاصد تحریر کریں۔
- 13 سارجنٹ رپورٹ کے اہم نکات لکھیے۔
- 14 بر صغیر میں مسلمانوں کے عہد میں اعلیٰ تعلیم کے لیے رائج گہرے مطالعے کے طریقے پر نوٹ لکھیے
- 15 ابن خلدون کا بیان کردہ طریقہ تعلیم ایک معلم کے لیے کس طرح مددگار ثابت ہو سکتا ہے؟
- 16 مسلمانوں کے نظام تعلیم کے کتنے درجات تھے؟
- 17 سرولیم ہنٹ نے ہندوستانی مسلمانوں کے متعلق کیا لکھا؟
- 18 فرض عین اور فرض کفایہ کے متعلق امام غزالی کے خیالات کی وضاحت کریں
- 19 مسلمانوں کے عہد میں بر صغیر میں ثانوی تعلیم کا نصاب کیا تھا؟
- 20 پیپیننگ ریزرویشن کے اہم نکات لکھیں ہے
- 21 امام غزالی کا بیان کردہ نصاب لکھیے
- ب- مندرجہ ذیل میں سے کسی ایک جز کا جواب دیں۔
1 ووڈ سٹیج پر نوٹ لکھیں۔
- 2 چارٹر ایکٹ 1813 پر مختصر نوٹ لکھیے۔

SECTION – C (Marks 30)

Note: Attempt any three questions.

- 1) Narrate a detailed note on Ali Garh Movement?
- 2) What was the Education Ideology of Ibne -I- Khaldun? Write in detail
- 3) Recall teaching methods used in sub-continent in Muslim period in detail.
- 4) Discuss in detail the education philosophy of Imam Ghazali.

- کوئی سے تین سوالات کے جواب لکھیے۔
- 1 تحریک علی گڑھ پر مفصل نوٹ لکھیے۔
- 2 ابن خلدون کی تعلیمی فکر پر روشنی ڈالی۔
- 3 بر صغیر میں مسلم دور میں استعمال ہونے والے تدریسی طریقوں پر روشنی ڈالیں۔
- 4 امام غزالی کا فلسفہ تعلیم تفصیل سے بیان کریں۔

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	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.

English HSSC–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 پنسل کا استعمال ممنوع ہے۔

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

- | | | | | |
|---|--|---|--|---|
| 1. Which one of the following sentences contains an opinion? | <input type="radio"/> We are going to the zoo | <input type="radio"/> It is raining | <input type="radio"/> The team won the match | <input type="radio"/> It's a pleasure to meet you |
| 2. 'His expression of grief is an eyewash', Identify which one of the following points out the correct meaning of the sentence? | <input type="radio"/> He is very sad | <input type="radio"/> His grief will make you cry | <input type="radio"/> His words will open your eyes | <input type="radio"/> He is pretentious of his grief |
| 3. Which one of the following poetic device is used in the poetic line? 'Pretty little bottles of perfume Stood at attention on the dresser' | <input type="radio"/> Simile | <input type="radio"/> metaphor | <input type="radio"/> onomatopoeia | <input type="radio"/> personification |
| 4. The two brothers were <i>in enmity</i> with each other. The most appropriate idiom to replace the underlined part of the sentence is: | <input type="radio"/> An axe to grind | <input type="radio"/> apple of discord | <input type="radio"/> bone of contention | <input type="radio"/> At daggers drawn |
| 5. Which one of the following genres presents facts focused on events or people? | <input type="radio"/> poetry | <input type="radio"/> novel | <input type="radio"/> drama | <input type="radio"/> Nonfiction |
| 6. If the narrator is one of the characters in a story, the story is being told from: | <input type="radio"/> first person point of view | <input type="radio"/> second person point of view | <input type="radio"/> Third person point of view | <input type="radio"/> Third person limited point of view |
| 7. It was hardly a satisfactory <u>pronouncement</u> that would allow everyone to sleep easy at night. From the context, guess the meaning of the underlined word out of the following options: | <input type="radio"/> expectation | <input type="radio"/> agreement | <input type="radio"/> adjustment | <input type="radio"/> declaration |
| 8. Which one of the following sentences has the use of the transitional device of contrast? | <input type="radio"/> The clerks are on strike; registered students will, nevertheless, receive course packages on time. | <input type="radio"/> Kate is engrossed in her dogs; Martha is similarly obsessed with her horses | <input type="radio"/> The network has crashed; next, the power will go off . | <input type="radio"/> He rarely produced a day's work; he consequently lost his job |

9. The two parties decided to let bygones be bygones. Identify which one of the following conveys the correct meaning of the sentence.	<input type="radio"/> They decided to have mediators	<input type="radio"/> They decided to think of solutions	<input type="radio"/> They decided to fight	<input type="radio"/> They decided to compromise
10. Which one of the following sentences exemplifies the use of "irony"?	<input type="radio"/> There is no smoking sign in the break room for the employees at the cigarette factory	<input type="radio"/> The cat sat in the window because the sun was shining	<input type="radio"/> The bus arrived late so they missed the roll call	<input type="radio"/> There isn't anyone in the room
11. Identify which one of the following sentences contains transitive verb:	<input type="radio"/> She's going to the market	<input type="radio"/> He always comes late	<input type="radio"/> She stepped angrily	<input type="radio"/> The prize will be given to him
12. Which one of the following conditional sentence is not correctly structured?	<input type="radio"/> If they call him, he will come	<input type="radio"/> If they called him, he would come	<input type="radio"/> If they had called him he would have come	<input type="radio"/> If they called him he would have come
13. 'The sky is _____ my head.' Correct preposition for the blank is:	<input type="radio"/> on	<input type="radio"/> at	<input type="radio"/> above	<input type="radio"/> across
14. The thirsty cat followed her <u>wherever she went</u> . The underlined part of sentence is:	<input type="radio"/> adverb phrase	<input type="radio"/> adverb clause	<input type="radio"/> adjective phrase	<input type="radio"/> Adjective clause
15. 'They always talk who never think .This is a:	<input type="radio"/> simple sentence	<input type="radio"/> compound	<input type="radio"/> complex	<input type="radio"/> Compound complex
16. Which one of the following sentences represents correct use of tense?	<input type="radio"/> A. He did not speak to me since March	<input type="radio"/> He had not spoken to me since March	<input type="radio"/> He had not been speaking to me since March	<input type="radio"/> He was not speaking to me since March
17. The insect <u>a large and hairy creature</u> ,scared the children. The underlined part of the sentence is a/an:	<input type="radio"/> noun phrase	<input type="radio"/> adverb phrase	<input type="radio"/> adjective phrase	<input type="radio"/> Appositive phrase
18. The old horse was tired of <u>running</u> . The underlined word is:	<input type="radio"/> gerund	<input type="radio"/> participle	<input type="radio"/> infinitive	<input type="radio"/> Past participle
19. You did it <u>in a good way</u> . The underlined part of the sentence is a/an:	<input type="radio"/> noun phrase	<input type="radio"/> adverb phrase	<input type="radio"/> adjective phrase	<input type="radio"/> Appositive phrase
20. You will not win <u>unless</u> you work hard. Which conjunction is the underlined word?	<input type="radio"/> compound	<input type="radio"/> coordinate	<input type="radio"/> correlative	<input type="radio"/> Subordinate



Pakistan International School
Half Yearly Examination 2022
English HSSCII

Time allowed: 2.40 hours

Total Marks: 80

Note: Answer the questions in Sections 'B' and 'C' at the place specified for it therein on the separately provided E-Sheet. No supplementary answer sheet will be provided. Write your answers neatly and legibly.

SECTION – B (Marks 40)

Q.2 Read the given passages and answer any SIX questions including Question No.(i) appended to it.

Note: Question No (i) about summary writing is compulsory carrying 08 marks while the rest of the questions carry 04 marks each. (8+5*4=28)

In his personal life, the Rasool was the embodiment of modesty and chastity, emphasizing the same upon his followers. He did not let it go even in his very private life. He declared 'Haya ' to be an integral part of faith. Once, dwelling upon the significance of modesty 'Haya', he said as narrated by Abu Masood R.A" if you do not feel ashamed then do whatever you like". A chaste, modest, and a civilized Muslim youth is the ideal of the teachings of Hazrat Muhammad.

The beloved Rasool (SAW) disliked vanity and ostentation and always adhered to simplicity and austerity. Allah Almighty had put before him keys to the treasures of the world but he rejected it, preferring an extremely simple life. Often for months no fire could be lit in his house because of the scantiness of means. He always treated people of inferior social status with kindness and affection. He never allowed his little page to be scolded for his mistakes if any. Anas R.A testifies to his sublime character

"I served the Rasool (SAW) for ten years. By Allah, he never even said to me 'uff'. He never said harshly 'Why did you do that? Or why did you not do that'". Sahi Al Bukhari/ Sahi Muslim

To the obedience of such a benevolent and merciful Rasool, the Lord has attached his own pleasure. The Holy Quran says: "Say (O Prophet) if you really love Allah then follow me. Allah will love you and forgive you your sins."

QUESTIONS:

- i . Write down summary of the passage and suggest a suitable title (7+1=8)
- ii . Discuss how intensely the Prophet(SAW) preached and practiced 'Haya'.
- iii .Cite examples to justify that our Prophrt (SAW) preferred a simple life.
- iv . Mention the testimonial of a close person about his (SAW) elevated and noble disposition .
- v . How does the writer persuade the readers to follow the Prophet (SAW)?
- vi. What are the noble traits mentioned of the Prophet (SAW) ?
- vii. Give the reason behind Prophet's (SAW)rejection of material benefits.
- viii. To what extent is the sunnah of the Prophet (SAW) relevant to the current age?

**Q.3 a. Read the following poetic extract carefully and answer the questions appended to it:
(2+2+2=6)**

Behold her, single in the field,
Yon solitary Highland Lass!
Reaping and singing by herself;
Stop here, or gently pass!
Alone she cuts and binds the grain,
And sings a melancholy strain;
O listen! for the Vale profound
Is overflowing with the sound.

QUESTIONS:

- i. Explain the the impact of solitary reaper's song on the environment.
 - ii. What kind of imagery is used ?Illustrate with examples.
 - iii. Pick out the words that describe the song and the state of the reaper ?
- OR

No Nightingale did ever chaunt
More welcome notes to weary bands
Of travellers in some shady haunt,
Among Arabian sands:
A voice so thrilling ne'er was heard
In spring-time from the Cuckoo-bird,
Breaking the silence of the seas
Among the farthest Hebrides.

QUESTIONS:

- i. Explain the term “welcome notes”?
- ii. What is meant by ‘farthest Hebrides.’?
- iii. Give example of poetic devices used in the given stanza?

OR

b. Answer any ONE of the following parts of the question: (6)

- i. What are the elements of a novel. Elaborate with reference to the novel ‘Lord of the Flies’.
- ii. Discuss the theme of the novel ‘Lord of the Flies.

SECTION – C (Marks 40)

Note: Attempt all questions.

Q.4 Write an essay in about 250 to 300 words on any **ONE** of the following topics. (12)

Importance of patriotism in the progress of a country

Outline: Patriotism.... contributes to our national identity... sense of solidarity.... Togetherness is something that helps the country and its people.....common goals...strength and fortitude

OR

Social evils

Harmful for society... Developing countries..... Causes... Feudal system..... Moral standards... Materialism....
Poverty... Unemployment.. terrorism... Empty mind is a devil's workshop.... Beggary... Solution

Q.5 a. There are **FIVE** errors of noun ,verb, pronoun and adverb in the given paragraph. **Rewrite the paragraph after correcting the errors. Underline** the corrected words. (5)

If one seriously means to explore the truth of life, they must read the confessions of King Solomon who have described the reality of things as such, “I have learned that the value of things are an illusion for the beholder and agony for the soul; I have had the luxuries that people could wish for. And, despite enjoying their possessions, I have always felt a burdensome on my heart, therefore, I have never enjoyed them full .” The ultimate finding of King Soloman about people who spent their lives in quests of accumulating worldly glitter and power is that they have gathered sand in their palms.

b. Use any FIVE of the following idioms in sentences. (5)

- | | |
|-------------------------|------------------------|
| i. At the eleventh hour | ii. Bear the brunt of |
| iii. Commit to memory | iv. Be in keeping with |
| v. Cat's paw | vi. Follow suit |
| vii. Castles in the Air | |

c. Change the following conversation into indirect form of narration : (5)

I said to my colleague, "Where are you going during vacation?" "I've not yet decided," said my colleague. "Let's go to my farm house together. What a great time we will have there!" said I. "I will discuss it with my family," said my colleague

Q.6 As a news reporter, write a report to the editor on the flood affected areas of Sindh .Your report should cover the following points: (8)

- i. Condition of the areas devastated by flood
- ii. Need to provide immediate relief
- iii. Crisis Management
- iv. Relief from UNO .
- v. Government and private NGO's working day and night

Q.7 Read the sentences carefully and select an appropriate transitional device in any FIVE of the blanks . (5)

(In conclusion, more importantly ,For example, however, as a result ,therefore , moreover)

1. We have a mouse in the house. _____ we should get a cat.
2. Megan got into a car accident. _____ she lost her insurance last month.
3. Michael is very athletic and plays on the school basketball team. _____ his brother just stays at home and plays video games all day.
4. There are many occupations today. _____, you can become a doctor, engineer, teacher, artist, athlete, musician, or chef, just to name a few.
5. The US government has been spending its money recklessly for too long. _____, the plans that Congress proposes are destined to put the nation at great economic risk in the future.
6. Getting a college degree is important. _____ building a good network of friends is crucial to future success.

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

Half Yearly Examination HSSC – II

SECTION – A (Marks 20)

Time allowed: 25 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۔

Fill the relevant bubble against each question:

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

1. Which is the best source to provide heat and energy?

- Vitamins Carbohydrates meat eggs
- وٹامن کاربوہائیڈریٹ گوشت انڈے

حرارت اور توانائی کون سا بہترین ذریعہ ہے؟

2. Staple food includes:

- juices fruits burger wheat
- مشروبات پھل برگر گندم

بنیادی غذا میں کیا شامل ہے؟

3. What is the chemical name of Retinol?

- vitamin B vitamin C vitamin A vitamin D
- وٹامن بی وٹامن سی وٹامن اے وٹامن ڈی

کس وٹامن کا کیمیائی نام ریٹینول ہے؟

4. Goiter is due to the deficiency of:

- Niacin vitamin C iodine iron
- نیا سین وٹامن سی آیوڈین فولاد

گلہڑ کی بیماری کس جز کی کمی سے لاحق ہوتی ہے؟

5. How many Amino acids are essential?

- 10 8 6 4
- ۱۰ ۸ ۶ ۴

ضروری امینو ترشے کس تعداد میں ہوتے ہیں؟

6. How many calories does one gram of fat provide?

- 9 4 7 5
- ۹ ۴ ۷ ۵

ایک گرام چکنائی کتنی کیلو ریز مہیا کرتی ہے؟

7. Which vitamin is found as retinol in animal foods and as carotene in plant form?

- Vitamin K Vitamin E Vitamin A Vitamin C
- وٹامن کے وٹامن ای وٹامن اے وٹامن سی

کون سا وٹامن حیواناتی غذاؤں میں ریٹینول اور نباتاتی غذاؤں میں

کیروٹین کے طور پر پایا جاتا ہے؟

8. Which health problem is caused by not having proper nutrition or irregular eating habits? Goiter food deficiency disease Malnutrition scurvy

۔ مسلسل کچھ عرصے تک مناسب خوراک نہ ملنے یا خوراک میں کمی

غذائی اجزاء کی کمی

بیشی رہنے سے صحت بگڑنے کو کیا کہا جاتا ہے؟

کی بیماری

9. To increase the rate of cooking process, the pan should be: kept without lid put on low flame put on high flame covered with lid

پکانے کے عمل کو تیز کرنے کے لیے دیکھی کو کیا کرنا چاہیے؟

ہلکی آئینچ پر رکھنا

تیز آئینچ پر رکھنا

ڈھانپنا

10. Which one of the following is monosaccharide? Glucose starch maltose destrin

۔ مندرجہ ذیل میں سے شکر کی مرکب کون سے ہیں؟

گلوکوز

نشاستہ

مالٹوز

ڈیکسٹریں

11. Which disease is caused due to the lack of vitamin D? Diarrhea scurvy night-blindness rickets

کون سی بیماری وٹامن ڈی کی کمی سے لاحق ہوتی ہے؟

ڈایریہ

سکروی

نائٹ بلائنڈنس

رکٹس

12. The nutritive value of beans is equal to: Pulses Meat Fruit Nuts

بیس کی غذائی اہمیت کس جڑ جیسی ہے؟

دالوں

گوشت

پھل

خشک میوہ جات



**Pakistan International School
Half Yearly Examination 2022**

OUTLINES OF HOME ECONOMICS HSSC-II

Time allowed: 2:40 hours

Total Marks Section B & C: 48

Section – B (30 marks)

Note: Answer any ten parts from Section B, and any two questions from Section C on the separately provided answer book. Use supplementary answer sheet i.e. Sheet B if required. Write your answers neatly and legibly.

Q2. Answer any ten questions. The answer to each part should not exceed 3 to 4 lines. (10x3=30)

1. Define food.
2. List any three basic aims of cooking food.
3. Define function of iodine in the body.
4. Paraphrase the nutritive value of milk.
5. Define calories.
6. Discuss hydrogenation.
7. Paraphrase the function of vitamin C.
8. Define balanced diet and give reasons which factors hinder its intake?
9. Define Scurvy.
10. Discuss the functions of minerals in human body.
11. List the functions of vitamin E in the body.
12. Define the symptoms of 3D

Section - C

(18 marks)

Q3. Attempt any two questions. All questions carry equal marks.

1. Discuss the function, sources, and effects of deficiency of fats in human body.
2. Define protein, its function, deficiency and sources.
3. Define menu-planning. List down its principles.

(کل نمبر 30)

حصہ ب

(10x3=30)

سوال نمبر 2: مندرجہ ذیل سوالات میں سے کوئی دس کے جوابات تین سے چار سطروں میں تحریر کریں۔

1۔ غذا سے کیا مراد ہے؟

2۔ خوراک پکانے کے کوئی سے تین مقاصد بیان کریں۔

3۔ آیوڈین کا جسم میں کیا کام ہے؟

4۔ دودھ کی غذائیت بیان کریں۔

5۔ کیلوریز کیا ہیں؟

- ۶۔ ہائیڈروجن اندازی hydrogenation کیا ہے؟
۷۔ وٹامن سی ہمارے جسم میں کیا کام سرانجام دیتا ہے؟
۹۔ متوازن غذا کسے کہتے ہیں؟ نیز متوازن غذا کے حصول میں مانع عوامل کون سے ہیں؟
۱۰۔ معدنی نمکیات کے انسانی جسم میں کیا افعال ہیں؟
۱۱۔ وٹامن ای جسم میں کیا کام انجام دیتا ہے؟
۱۲۔ 3D کی علامات تحریر کریں۔

(کل نمبر: 18)

حصہ ج

(2x9=18)

سوال نمبر 3: مندرجہ ذیل سوالات میں سے کسی دو کا تفصیلی جواب تحریر کریں۔

- ۱۔ روغنیات کے جسم میں افعال، ذرائع اور کمی کے اثرات تحریر کریں۔
۲۔ پروٹین کیا ہے، اس کی جسم میں کمی کے اثرات اور ذرائع تحریر کریں۔
۳۔ مینیو پلاننگ کیا ہے؟ اس کس اصول تحریر کریں۔

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.

Mathematics HSSC–II Half Yearly Examination 2022

SECTION – A (Marks 20)

Time allowed: 25 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. $\lim_{h \rightarrow 0} (1 - 2h)^{\frac{1}{h}} = ?$ e e^{-2} e^2 $\frac{1}{e^2}$

2. Which one of the following represents even function? $f(x) = x^2 - 1$ $f(x) = \frac{5x}{x^2 - 1}$ $f(x) = x^3 + 2x$ $f(x) = x^2 + 2x - 1$

3. The function $f(x) = \frac{2}{x^2 - 9}$ is discontinuous at point: $-1, 1$ $-2, 2$ $-3, 3$ $-4, 4$

4. Which one of the following represents $f^{-1}(-3)$ if $f(x) = \frac{1}{x+3}$. $-\frac{10}{3}$ $\frac{10}{3}$ $-\frac{5}{3}$ $\frac{5}{3}$

5. $f(x) = 2x^3 - 5x - 2$, $-2 \leq x < 1$. State the range of its inverse. $[-1, 3)$ $[8, 14)$ $(0, 2]$ $[-2, 1)$

6. $\lim_{x \rightarrow +\infty} \frac{4}{3x^3} = ?$ 0 $-\infty$ $+\infty$ 1

7. $x = at^2$, $y = 2at$ represents ... equation. $x^2 = 4ay$ $x = 4ay^2$ $y^2 = 4ax$ $y = 4ax^2$

8. The area 'A' of a circle as a function of its circumference C is: $\frac{4\pi}{C^2}$ $\frac{2\pi}{C^2}$ $\frac{C^2}{4\pi}$ $\frac{4\pi}{C}$

9. Which of the following represents $\frac{dy}{dx}$ if $\sin x = e^y$? $-\cot x$ $\tan x$ $-\tan x$ $\cot x$

10. $\frac{d}{dx}(\sin x \cos x) = \dots$ $\sin^2 x$ $\cos 2x$ $\cos^2 x$ $\frac{\sin 2x}{2}$
-
11. $\frac{d}{dx}(\sin a) = \dots\dots\dots$ $\cos a$ $\sin a$ $\tan a$ 0
-
12. If $y = \sqrt{\cot x}$ then $\frac{dy}{dx} = ?$ $-\frac{\operatorname{cosec}^2 x}{2\sqrt{\cot x}}$ $\frac{\operatorname{cosec}^2 x}{2\sqrt{\cot x}}$ $\frac{2\sqrt{\cot x}}{\operatorname{cosec}^2 x}$ $-\frac{2\sqrt{\cot x}}{\operatorname{cosec}^2 x}$
-
13. In which of the following intervals $f(x) = x^2 - 4x + 6$ increases its value? $(-\infty, 2)$ $(2, \infty)$ $(-\infty, \infty)$ None of these
-
14. If $f(x) = -\sin x$, $x \in \left(\frac{\pi}{2}, \pi\right)$ then what is the result of $f'\left(\frac{3\pi}{4}\right)$? $\frac{\sqrt{3}}{2}$ $-\frac{\sqrt{3}}{2}$ $-\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$
-
15. If $f(x) = a \cos 3x$ and $f'\left(\frac{\pi}{2}\right) = 6$, then $a = ?$ 2 -2 $1/2$ $-1/2$
-
16. What is the fourth derivative of $-\frac{1}{6}x^3 + \frac{1}{4}x^2 + 2x + 7$? 7 2 0 -1
-
17. Graph of $4y \geq 5$ will be ----- half plane. Lower Upper Right Left
-
18. Feasible solution is that maximize or minimize the objective function is called: Solution Optimal solution Minimum solution Maximum solution
-
19. Which ordered pair is a solution of the inequality $y \geq 4x - 5$ $(5,4)$ $(3,0)$ $(2,1)$ $(1,1)$
-
20. Which one of the following inequalities is true for the point $(4, -2)$? $x + y > 3$ $x < 3y$ $x - y < 10$ $2x - 3y < 12$



Pakistan International School
Half Yearly Examination 2022
Mathematics XII

Time allowed: 2.35 hours

Total Marks: 80

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

SECTION – B (48 Marks)

Q2 .Attempt any **TWELVE** parts from the following. All parts carry equal marks. (12 × 4 = 48)

- i. If $f(x) = \sqrt{3x-2}$ and $g(x) = 2x^2 - 1$, then find following:
 - (a) $f \circ g(x)$ (b) $f \circ f(x)$ (c) $g \circ f(x)$ (d) $g \circ g(x)$
- ii. Find domain and range of f^{-1} function:
 - (i) $f(x) = (x-1)^2$ (ii) $f(x) = \frac{1}{x+2}$
- iii. Prove that $\lim_{x \rightarrow 0} \frac{\sqrt{x+b}-\sqrt{b}}{x} = \frac{1}{2\sqrt{b}}$.
- iv. Evaluate: $\lim_{\theta \rightarrow 0} \frac{1-\cos 3\theta}{1-\cos 5\theta}$.
- v. If $\lim_{x \rightarrow 2} \frac{x^2+4x-12}{|x-2|}$, check at $x = 2$ limit of function exist or not?
- vi. Evaluate: $\lim_{t \rightarrow 0} \frac{\sin 3t}{\sin t}$.
- vii. If $f(x) = \begin{cases} 1+x & \text{if } x < 1 \\ k-x & \text{if } x \geq 1 \end{cases}$ find value of k if $f(x)$ is continuous at $x = 1$.
- viii. Let $f(x) = \frac{2x^3-3x^2+2}{x^2+1}$. Use the quotient rule of differentiation to find $f'(1)$.
- ix. Find $\frac{dy}{dx}$ if $y = (x+1)^x$.
- x. Let $f(x) = \cos(x^2)e^{x^2+1}$. Find $f'(x)$ using product rule of derivative?
- xi. If $y = \sqrt{\sin x + \sqrt{\sin x + \sqrt{\sin x + \sqrt{\sin x + \dots \dots \infty}}}}$, prove that $(2y-1)\frac{dy}{dx} = \cos x$
- xii. Determine in the interval $(-\frac{\pi}{2}, \frac{\pi}{2})$, $f(x) = \tan x$ is increasing or decreasing?
- xiii. Prove that: $e^{t+h} = e^t \left\{ 1 + h + \frac{h^2}{2!} + \frac{h^3}{3!} + \dots \right\}$.
- xiv. Find $\frac{d^2y}{dx^2}$ if $x = 4t^2 + 1, y = 6t^3 + 1$.
- xv. Graph the solution region of the following system of linear inequalities by shading

$$10x + 20y \leq 140, \quad 6x + 18y \geq 72, \quad x \geq 0, y \geq 0.$$
- xvi. Graph the solution region of the following system of linear inequalities by shading

$$2x + y \geq 4, \quad x + y \geq 3, \quad x \geq 0.$$

SECTION – C (32 Marks)

Note: Attempt any **FOUR** questions. All questions carry equal marks. (4 × 8 = 32)

Q3: Let $f(x) = \begin{cases} x - 1 & \text{if } x < 3 \\ 2x + 1 & \text{if } x \geq 3 \end{cases}$

- (a) Sketch the graph of the function about $x = 3$.
- (b) Find value of $f(x)$ at $x = 3$.
- (c) Find $\lim_{x \rightarrow 3^-} f(x)$ and $\lim_{x \rightarrow 3^+} f(x)$.
- (d) Justify continuity and discontinuity of $f(x)$ at $x = 3$.

Q4: Prove that $\lim_{x \rightarrow 0} \frac{x^n - a^n}{x - a} = na^{n-1}$, where n is a integer and $a > 0$.

Q5: If $f(x) = \sqrt{3}\sin x + \cos x$, where $x \in [0, 2\pi]$

- (a) Find $f'(x)$.
- (b) Find $f''(x)$.
- (c) Find values of $x \in [0, 2\pi]$ for which $f(x)$ has maximum or minimum values.

Q6: Find the point on the graph of the curve $y = 4 - x^2$ which is closest to the point (3,4).

Q7: A company manufactures two model of bicycles, model A and model B by using two machines M_1 and M_2 . Machines M_1 has at most 120 hours available and machine M_2 has a maximum 144 hours available. Manufacturing a model A bicycle requires 5 hours in machine M_1 and 4 hours in machine M_2 and manufacturing a model B bicycle requires 4 hours in machine M_1 and 8 hours in machine M_2 . If the company gets profit of Rs. 40 per model A and profit of Rs. 50 per model B bicycle, how many of each model should manufactured for maximum profit?

Q8: Maximize $f(x, y) = 7x + 21y$ subject to constraints

$$\begin{aligned} 2x + y &\geq 2 \\ 2x + 3y &\leq 6 \\ x &\geq 0, y \geq 0 \end{aligned}$$

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.

Pakistan Studies HSSCII
Half Yearly Examination 2022
SECTION – A (Marks 10)
Time allowed: 15 minutes

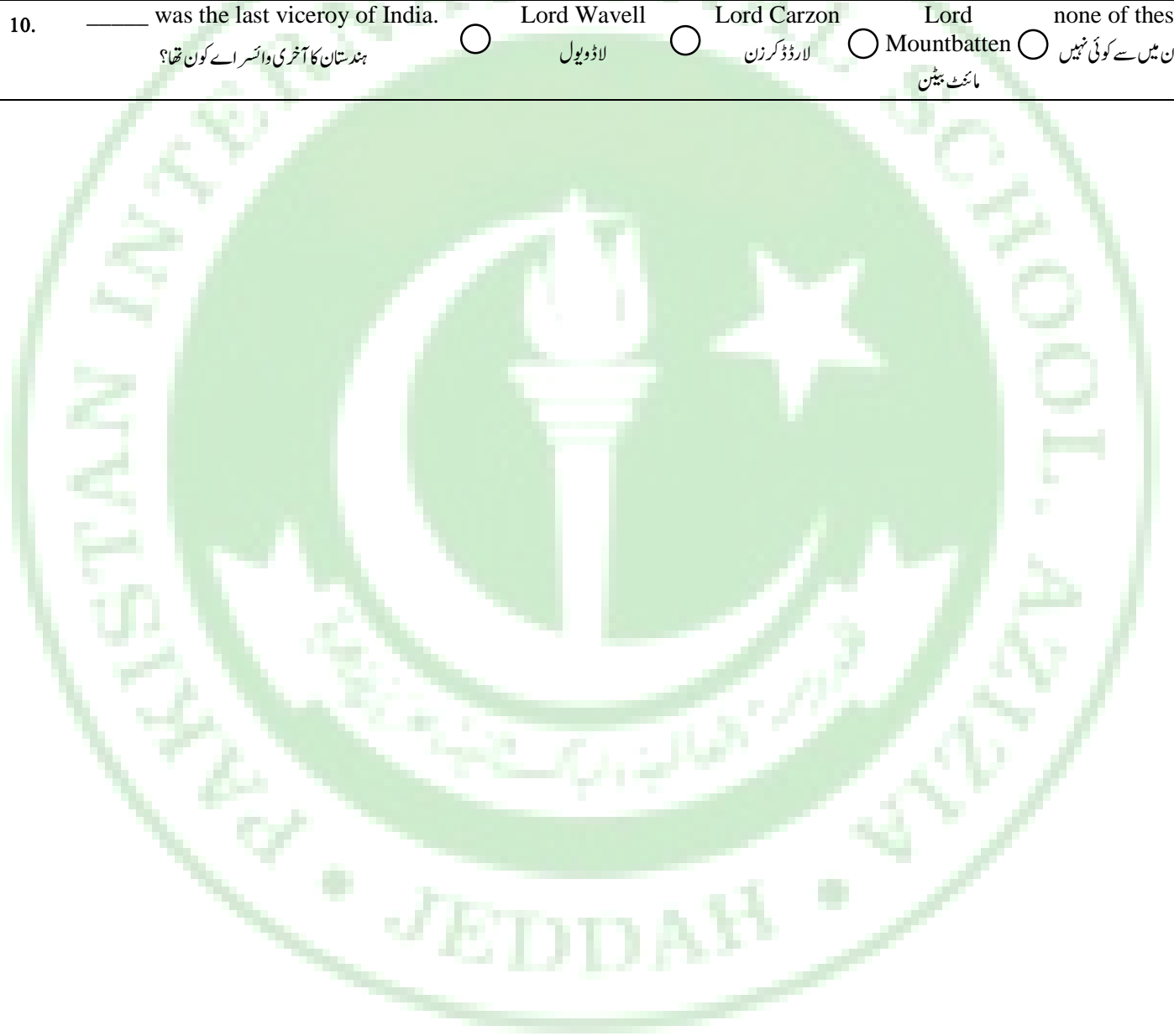
حصہ اول لازمی ہے۔ اس کے جوابات اس صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ لکھنے کی اجازت نہیں ہے۔ لیڈ پینسل کا استعمال ممنوع ہے۔

Fill the relevant bubble against each question:

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

1.	The first president of All India Muslim League was _____.	Sir Agha Khan	Nawab Saleem ullah	Hakeem Ajmal Khan	Nawab Waqar Mulk
	مسلم لیگ کے پہلے صدر تھے۔	سر آغا خان	نواب سلیم اللہ	حکیم اجمل خان	نواب وقار الملک
2.	Pakistan became the member of UNO just after _____ of independence.	One day	One month	Six months	One year
	پاکستان معرض وجود میں آنے کے بعد اقوام متحدہ کا ممبر بنا۔	ایک دن	ایک مہینہ	چھ ماہ	ایک سال
3.	All India Khilafat committee formed in _____.	1914	1915	1918	1919
	آل انڈیا کھیلافت کمیٹی قائم ہوئی۔	۱۹۱۴	۱۹۱۵	۱۹۱۸	۱۹۱۹
4.	Congress ministries resigned in _____.	1930	1935	1937	1939
	گانگریسی وزارتیں مستعفی ہوئیں۔	۱۹۳۰	۱۹۳۵	۱۹۳۷	۱۹۳۹
5.	The super power Soviet Union dismembered in the year _____.	1989	1985	1982	1991
	عالمی طاقت، سویت یونین میں ٹکڑے ہو گئی۔	۱۹۸۹	۱۹۸۵	۱۹۸۲	۱۹۹۱
6.	Muslim league celebrated the “Direct Action Day” in _____.	14 th August 1947	16 th August 1946	18 th August 1946	20 th August 1946
	مسلم لیگ نے یومِ راست کو منایا۔	۱۴ اگست ۱۹۴۷	۱۶ اگست ۱۹۴۶	۱۸ اگست ۱۹۴۶	۲۰ اگست ۱۹۴۶
7.	The common boundary between Afghanistan and Pakistan is _____.	Durand line	Line of control	Sabistan	None of them
	پاک افغانستان مشترکہ سرحد کا نام ہے۔	ڈیورنڈ لائن	لائن آف کنٹرول	سبستان	ان میں سے کوئی نہیں

8. Hazrat Muhammad remitted the interest occurring on the debts by his uncle _____ bin Muttalib.
 رسول اللہ ﷺ نے فرمایا: اپنے چچا۔۔۔ بن مطلب کا سود معاف کرتا ہوں۔
- Abdul Muttalib عبدالمطلب ○ Abbas bin Muttalib عباس بن مطلب ○ Zaid bin Harith زید بن حارث ○ Rabi'a bin Harith ربیع بن حارث
-
9. _____ was made the head of boundary commission.
 ہندوئی کمیشن کا سربراہ _____ کو بنایا گیا۔
- Radcliffe ریڈ کلف ○ Mountbatten مائٹ بیٹن ○ Nehru نہرو ○ UNO اقوام متحدہ
-
10. _____ was the last viceroy of India.
 ہندستان کا آخری وائسرائے کون تھا؟
- Lord Wavell لاڈ ویول ○ Lord Carzon لارڈ کرزن ○ Lord Mountbatten مائٹ بیٹن ○ none of these ان میں سے کوئی نہیں





Pakistan International School
Half Yearly Examination 2022
Pak Studies HSSCII

Time allowed: 2.20 hours

Total Marks: 40

Note: Answer any eight parts from Section B, and any two questions from Section C on the separately provided answer book. Use supplementary answer sheet i.e. Sheet B if required. Write your answers neatly and legibly.

Section – B

(8x3=24 marks)

Q2. Attempt any 8 parts from this section.

1. What is the meaning of sovereignty of Allah written in the constitution of Pakistan?
2. Discuss why Lord Mountbatten selected Radcliffe as head of the boundary commission.
3. Mention important educational steps taken under the Islamization Process of 1977.
4. Indicate the differences of climatic conditions between different regions of Pakistan.
5. Write the names of mountains lying to the northwest and southwest of Pakistan.
6. Why did the Muslim League reject the Cripps mission?
7. What piece of advice did Quaid-e-Azam give to the students?
8. Mention important steps that Liaquat Ali Khan made as the finance minister of India.
9. What do you think was the main reason behind the failure of the Simla Conference?
10. What was the impact of the 1945-46 elections' results on the political atmosphere of the sub-continent?
11. Explain Pakistan's location as the "Central position in the Muslim world."

حصہ ب

کوئی آٹھ سوالوں کے جواب دیں:

- ۱۔ پاکستان کے آئین کے تحت اللہ تعالیٰ کی حاکمیت سے کیا مراد ہے؟
- ۲۔ ریڈ کلف کو سرحد بندی کمیشن کا سربراہ لارڈ ماؤنٹ بیٹن نے کیوں منتخب کیا؟
- ۳۔ نفاذِ اسلام ۱۹۷۷ء کے تحت اہم تعلیمی اقدامات بیان کریں۔
- ۴۔ پاکستان کے مختلف خطوں کے درمیان موسمیاتی تغیرات بیان کریں۔
- ۵۔ پاکستان کے مختلف پہاڑی سلسلوں (مغربی اور شمال مغربی) کے بارے میں تحریر کریں۔

۶۔ مسلم لیگ نے کرپس تجاویز کو کیوں مسترد کیا؟

۷۔ قائد اعظم نے طلباء کو کیا نصیحت کی؟

۸۔ لیاقت علی خان کا اہم اقدام بطور وزیر خزانہ تحریر کریں۔

۹۔ شملہ کانفرنس ۱۹۴۵ کی ناکامی کی بنیادی وجہ تحریر کریں۔

۱۰۔ ۱۹۴۵-۴۶ کے انتخابات کے برصغیر کی سیاسی ماحول پر اثرات تحریر کریں۔

۱۱۔ پاکستان کا محل وقوع "مسلم دنیا میں قلب / بنیادی مقام" کی حیثیت سے واضح کریں۔

Section – C

(8x2=16 marks)

Note :Attempt any two parts from this section:

- 3.Highlight the importance and significance of objective resolution.
4. What were the early problems that the country faced after its creation? Explain 3 of them.
5. Khutba Hujjat-ul-Vida of Hazrat Muhammad (SAW) is a recognized charter of Human Rights. Discuss it in the light of the statement.

حَضْرَتِ

کوئی سے دو سوالات کے جوابات تحریر کیجیے۔

- 3۔ قرارداد مقاصد کی اہمیت بیان کریں۔
- 4۔ پاکستان کے ابتدائی مسائل کیا تھے؟ کوئی سے تین کا ذکر کریں۔
- 5۔ خطبہ حجۃ الوداع انسانی حقوق کا تسلیم شدہ چارٹر ہے۔ بحث کریں۔



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.

PHYSICS HSSC–II

Half Yearly Examination 2022

SECTION – A (Marks 17)

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۔ ایڈمنسٹریٹو کا استعمال ممنوع ہے۔

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

- | | | | | | | | | |
|---|-----------------------|---------------------------------|-----------------------|---------------------------------|-----------------------|---------------------------------|-----------------------|---------------------------------|
| 1. The absolute potential at a point distant 10cm from a charge of $1\mu\text{C}$ is _____. | <input type="radio"/> | $9 \times 10^2 \text{ V}$ | <input type="radio"/> | $9 \times 10^3 \text{ V}$ | <input type="radio"/> | $9 \times 10^4 \text{ V}$ | <input type="radio"/> | $9 \times 10^5 \text{ V}$ |
| 2. The power output of a lamp is 6 W. How much energy does the lamp give out in 2 minutes? | <input type="radio"/> | 3J | <input type="radio"/> | 12J | <input type="radio"/> | 120J | <input type="radio"/> | 720J |
| 3. The high voltage in an electrical appliance is 17kV. The maximum allowable current is $150\mu\text{A}$. The least permissible value of load resistance will be _____? | <input type="radio"/> | $119.3 \times 10^6 \Omega$ | <input type="radio"/> | $113.3 \times 10^7 \Omega$ | <input type="radio"/> | $112.3 \times 10^6 \Omega$ | <input type="radio"/> | $113.3 \times 10^6 \Omega$ |
| 4. Electromotive force is closely related to _____? | <input type="radio"/> | Electric force | <input type="radio"/> | Magnetic force | <input type="radio"/> | Potential difference | <input type="radio"/> | Electric intensity |
| 5. When the number of turns in a solenoid is doubled, without any change in the length of the solenoid its self induction will be _____? | <input type="radio"/> | Four times | <input type="radio"/> | Doubled | <input type="radio"/> | Halved | <input type="radio"/> | One forth |
| 6. Object A has a charge of $+3\mu\text{C}$, and object B has a charge of $+4\mu\text{C}$. Select the true statement about the electric forces on the objects. | <input type="radio"/> | $F_{AB} = -3F_{BA}$ | <input type="radio"/> | $F_{AB} = -F_{BA}$ | <input type="radio"/> | $3F_{AB} = -F_{BA}$ | <input type="radio"/> | $F_{AB} = 3F_{BA}$ |
| 7. 10^6 electrons are moving through a wire per second, the current developed is _____? | <input type="radio"/> | $1.6 \times 10^{-13} \text{ C}$ | <input type="radio"/> | $2.6 \times 10^{-14} \text{ C}$ | <input type="radio"/> | $1.6 \times 10^{-15} \text{ C}$ | <input type="radio"/> | $1.9 \times 10^{-16} \text{ C}$ |

8. Thermistor is _____?	<input type="radio"/> A resistor	<input type="radio"/> Thermally sensitive resistor	<input type="radio"/> Not a resistor	<input type="radio"/> None of these
9. An electron moves at 2×10^2 m/s perpendicular to magnetic field of 2T, the magnitude of magnetic force is _____?	<input type="radio"/> 1×10^{-6} N	<input type="radio"/> 6.4×10^{-17} N	<input type="radio"/> 3.6×10^{-24} N	<input type="radio"/> 2.6×10^{-24} N
10. The torque in a coil can be increased by increasing _____?	<input type="radio"/> Number of turns	<input type="radio"/> Current and magnetic field	<input type="radio"/> Area of the coil	<input type="radio"/> All of above
11. If a charged body is moved against the electric field, it will gain _____?	<input type="radio"/> P.E	<input type="radio"/> K.E	<input type="radio"/> Mechanical energy	<input type="radio"/> Electric P.E
12. In a Wheatstone bridge method, the bridge is said to be balanced, when the current through the galvanometer is _____?	<input type="radio"/> 1 A	<input type="radio"/> 0 A	<input type="radio"/> Maximum	<input type="radio"/> Half of maximum value
13. Select an option for the correct equation _____?	<input type="radio"/> $q_e / m_e = 2V/B^2 r^2$	<input type="radio"/> $q_e / m_e = 2V/B^2$	<input type="radio"/> $q_e / m_e = 2V/r^2$	<input type="radio"/> $q_e / m_e = V/B^2 r^2$
14. A wire carrying 3A current and has length of 10cm between the poles of a magnet is kept at an angle of 30° to the uniform field of 0.6T. The force acting on the wire is _____?	<input type="radio"/> 0.419N	<input type="radio"/> 941N	<input type="radio"/> 0.941N	<input type="radio"/> 0.0941N
15. Which of the following is not an SI unit of current?	<input type="radio"/> Amperes	<input type="radio"/> C/s	<input type="radio"/> C/m	<input type="radio"/> Cs^{-1}
16. Two identical capacitors with a magnitude of $8 \mu F$ are connected in series. Their equivalent capacitance is?	<input type="radio"/> $8 \mu F$	<input type="radio"/> $4 \mu F$	<input type="radio"/> $6 \mu F$	<input type="radio"/> $2 \mu F$
17. Due to electric polarization of dielectric, the capacity of a capacitor?	<input type="radio"/> Decreases	<input type="radio"/> Increases	<input type="radio"/> Remains same	<input type="radio"/> Becomes zero



Pakistan International School Half Yearly Examination 2022 PHYSICS HSSCII

Time allowed: 2.40 hours

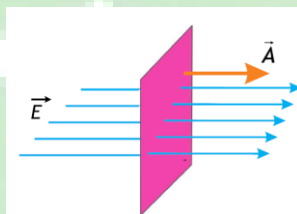
Total Marks: 68

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

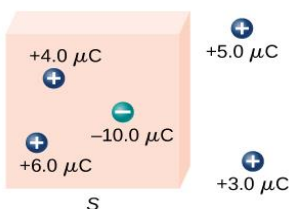
SECTION – B (Marks 14x3=42)

Q.2 Attempt any FOURTEEN parts. All parts carry equal marks. (14 × 3 = 42)

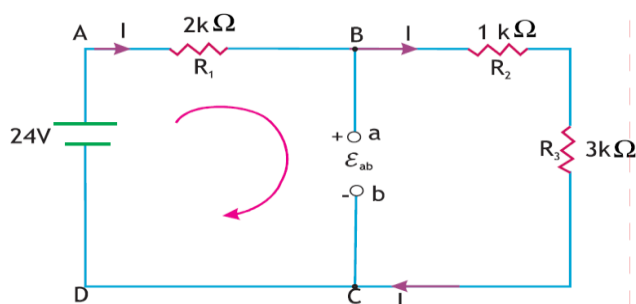
- i. Differentiate between permeability and permittivity?
- ii. Compute the value of electric field at a distance of 40cm from $4\mu\text{C}$ point charge?
($E=kq/r^2$)
- iii. If a current is passed through an unstretched spring, will the spring contract or expand?
- iv. Formulate the total flux through the given surface:



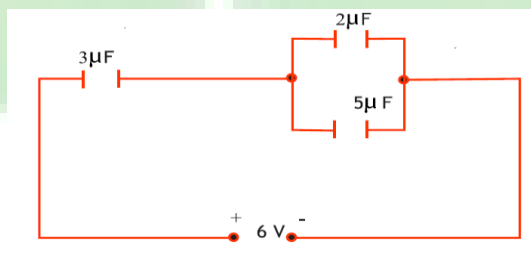
- v. How much charge flow in a pocket calculator each minute when the current is 0.0001A ? ($I=q/t$)
- vi. If aluminum and copper wires of the same length have the same resistance, which has the larger diameter? Why?
- vii. The full scale deflection for the galvanometer is 10mA . Its resistance is 100Ω . How can it be converted into an ammeter of range 100A ? ($R_s=R_g I_g/I-I_g$)
- viii. Compute the net flux through the given gaussian surface:
(total charge enclosed/ ϵ_0)



- ix. Water has the large dielectric constant, but it is rarely used in capacitors, Why?
- x. When a 14.0V car battery powers a single 40.0W headlight, how many electrons pass through it each second? ($P=VI$, $I=Q/t$, $Q=ne$)
- xi. Derive the relation $q_e B^2 r^2 = 2V m_e$ for an electron.
- xii. Why the voltmeter should have very high resistance? Give proper reasoning.
- xiii. Figure shows three resistors and two voltage sources . Use Kirchoff's voltage law to find the emf ϵ_{ab} .



- xiv. Describe the change in the magnetic field inside a solenoid carrying a steady current I , if the length of the solenoid is doubled but the number of turns remain the same.
- xv. A particle carrying a charge $2e$ falls through a potential difference of $4V$. Evaluate the energy acquired by the particle? ($\Delta K.E = q\Delta V$)
- xvi. Differentiate between the parallel and series combinations of capacitors .
- xvii. Is filament resistance lower or higher in a $500W$, $220V$ light bulbs than in a $100W$, $220V$ bulbs?
- xviii. Find the charge on $5\mu F$ in the capacitor shown in given diagram:



- xix. Derive the relation $R_h = V/I_g - R_g$
- xx. Discuss why there is no excess charge inside a conductor?

SECTION – C (Marks $13 \times 2 = 26$)

Note :Attempt any 2 questions.

- Q3.a.** Elaborate the concept of electric potential. Derive an expression for the electric potential at a field point due to a source charge. (6)
- b. Two positive points charges of $15 \times 10^{-10} C$ and $13 \times 10^{-10} C$ are placed $12cm$ apart . Find the work done in bringing the two charges $4cm$ closer. ($W = kq_1q_2[1/r_A - 1/r_B]$) (4)
- c. Can different equipotential lines cross each other? (3)
- Q4.a.** Explain the purpose, construction and working principle of wheat stone bridge. (6)
- b.** A typical $12V$ automobile battery has a resistance of 0.012Ω . Compute the terminal voltage of this battery when starter draws a current of $100A$. Also calculate R , P , P_R . ($IR = \epsilon - I_r$, $P = VI$, $P = I^2 R$) (4)
- c. Under what circumstances can the terminal P.D. of a battery exceeds its e.m.f.? (3)
- Q5.a.** State ampere's law and use it to derive an expression for the magnetic field of a solenoid. (6)
- b.** An $8MeV$ proton enters perpendicularly into a uniform magnetic field of $2.5T$. Calculate (a) the force on the electron (b) the radius of the path of proton. ($F = qvB\sin\theta$, $r = mv/qB$) (4)
- c. How does a current carrying coil behave like a bar magnet? (3)

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.

PSYCHOLOGY HSSC-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 پنسل کا استعمال ممنوع ہے۔

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

- Which process begins prior to birth and continues till death?

<input type="radio"/>	Growth	<input type="radio"/>	Growth and development	<input type="radio"/>	Maturation	<input type="radio"/>	Development
-----------------------	--------	-----------------------	------------------------	-----------------------	------------	-----------------------	-------------
- Maturation is based on?

<input type="radio"/>	Growth	<input type="radio"/>	Development	<input type="radio"/>	Growth and development	<input type="radio"/>	All
-----------------------	--------	-----------------------	-------------	-----------------------	------------------------	-----------------------	-----
- Child psychology may be called a branch of:

<input type="radio"/>	Developmental Psychology	<input type="radio"/>	Clinical Psychology	<input type="radio"/>	Adult Psychology	<input type="radio"/>	All of these
-----------------------	--------------------------	-----------------------	---------------------	-----------------------	------------------	-----------------------	--------------
- Mental image of the objects refers to?

<input type="radio"/>	Experiences	<input type="radio"/>	Operation	<input type="radio"/>	Schema	<input type="radio"/>	Assimilation
-----------------------	-------------	-----------------------	-----------	-----------------------	--------	-----------------------	--------------
- Schemas are the general concepts that are based on?

<input type="radio"/>	Operation	<input type="radio"/>	Experiences	<input type="radio"/>	Heredity	<input type="radio"/>	None of these
-----------------------	-----------	-----------------------	-------------	-----------------------	----------	-----------------------	---------------
- Flight and Fight response was introduced by

<input type="radio"/>	Freud	<input type="radio"/>	Walter Cannon	<input type="radio"/>	Piaget	<input type="radio"/>	Imam Ghazali
-----------------------	-------	-----------------------	---------------	-----------------------	--------	-----------------------	--------------
- All defense mechanisms contain the element of ?

<input type="radio"/>	Deceiving others	<input type="radio"/>	Self-deception	<input type="radio"/>	No deception	<input type="radio"/>	Both A and B
-----------------------	------------------	-----------------------	----------------	-----------------------	--------------	-----------------------	--------------
- Seley's model of stress response is called?

<input type="radio"/>	DNA	<input type="radio"/>	RET	<input type="radio"/>	CCT	<input type="radio"/>	GAS
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- When does an individual need guidance?

<input type="radio"/>	During illness	<input type="radio"/>	During treatment	<input type="radio"/>	In crisis	<input type="radio"/>	None of these
-----------------------	----------------	-----------------------	------------------	-----------------------	-----------	-----------------------	---------------

10. Systematic desensitization is used to treat? Depression Phobia Schizophrenia Panic attack
11. Psychoanalysis is attributed to_____? Watson Skinner Carl Rogers Freud
12. Moral development is the process of learning to distinguish between_____? Growth and maturation Good or bad Right and wrong B and C
13. Concrete operational stage starts from_____? 7 years 8 years 9 years 10 years
14. Piaget was a _____ psychologist American Canadian Swiss Turkish
15. GAD is produced by the unconscious conflict between Id and Ego viewed by? Psychoanalytic theory Biological theory Cognitive theory None of these
16. Treatment of GAD with drugs is practiced by? Psychoanalysts Biological therapists Gestalists Cognitive therapists
17. Blushing, sweating and avoiding presence of others shows? Fear Specific phobia Social phobia Anxiety
18. The fear of open places is known as ? Acrophobia Nyctophobia Astrophobia Agorophobia
19. The organized study of individual's thoughts, feelings and behavior in his social background is called? Personality psychology Social psychology Industrial psychology Child psychology
20. Maulana Ashraf Ali Thanvi used to treat patients through? Reading therapy Companion therapy Both A and B Medicines



Pakistan International School
Half Yearly Examination 2022
PSYCHOLOGY HSSCII

Time allowed: 2.40 hours

Total Marks: 65

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 8x5=40)

Q#2. Attempt any Eight parts. All questions carry equal marks.

1. What is the importance of human physical development?
2. Briefly explain the Islamic concept of mental health?
3. Enlist any three psychological and physical effects of stress?
4. Define phobia. Briefly explain the types of phobia.
5. Write down the difference between Growth and Development?
6. What do you know about Piaget's theory of cognitive development?
7. Give any 2 examples of approach-avoidance conflict and how do you resolve it?
8. What are the causes of GAD? Explain.
9. How can you explain "Health" and "Adjustment"?
10. Briefly write about the concept of mental health by Imam Ghazali?
11. Write a note on OCD or PTSD.

SECTION – C (marks 25)

Note: Attempt all questions.

- Q3. Write a detailed note on difference between normal and abnormal behavior. (13)
- Q4. Elaborate Erikson's theory of psychosocial development. (12)

OR

Write a detailed note on Maulana Ashraf Ali Thanvi's concept of mental health.

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	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.

پرچہ اردو بارہویں

ششماہی امتحان 2022

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۔

حصہ اول کل نمبر 20

وقت : 25 منٹ

سوال نمبر 1: ہر جز کے سامنے دیے گئے درست دائرہ کو پر کریں۔

- 1- جس نظم میں صحابہ، آئمہ کرام یا بزرگان دین کے اوصاف بیان ہوں، اسے کیا کہا جائے گا؟
- حمد ○ مستقبت ○ نعت ○ تکرار
- 2- رائی کا پہاڑ بنانا، کیا کہلائے گا؟
- ضرب المثل ○ روز مرہ ○ صنعت ○ محاورہ
- 3- اگر خزل کے دوسرے شعر کے دونوں مصرعوں میں بھی قافیہ اور ردیف ہو تو کیا کہلائے گا؟
- مطلع ○ مطلع ثانی ○ حسن مطلع ○ مطلع ثالث
- 4- شعر میں دو یا دو سے زیادہ ایسے الفاظ لانا جن کی ایک ہی املاء ہو، لیکن معنی الگ ہوں، کیا کہلاتے ہیں،
- تجنیس مرکب ○ تجنیس محرف ○ تجنیس تام ○ تجنیس مفرد
- 5- ورزش کے درج ذیل فائدے ہیں۔
- : ○ " ○ :- ○ ؟
- 6- آج بھی، ہو جو ابراہیم سا ایماں پیدا آگ کر سکتی ہے انداز گلستاں پیدا اس شعر میں کون سی صنعت کا استعمال کیا گیا ہے؟
- تلخیص ○ صنعت مرآة ○ صنعت تکرار ○ صنعت تعلیل
- 7- کلام میں ایسا لفظ، جس کے ساتھ اس کا الٹ لفظ بھی استعمال ہو، کون سی صنعت کہلائے گی؟
- صنعت ○ مراعاتہ النظر ○ صنعت تعلیل ○ صنعت تضاد ○ صنعت تکرار

8- روزنامہ اسلام "دینی" اخبار سمجھا جاتا ہے۔ کون سی علامت استعمال کی گئی ہے؟

- وقف ○ ختمہ ○ تفصیلیہ ○ واوین ○

9- مشبہ اور مشبہ بہ کو کیا کہتے ہیں؟

- طرفین تشبیہ ○ وجہ تشبیہ ○ وسطین ○ مرکب تشبیہ ○ تشبیہ

10- "بارش کے ہوتے ہی ہر طرف سبزہ آگ آیا" اس جملے میں "آگ" کیا ہے؟

- فعل لازم ○ فعل متعدی ○ امدادی ○ اصل فعل ○ فعل

11- چھ مصرعوں والے بند، جس کے آخری دو مصرعے نظم میں بار بار دہرائے جاتے ہوں، کیا کہلاتے ہیں؟

- قطعہ ○ مثنوی ○ مسدس ○ مسدس ترکیب ○ بند ○ ترجیح بند

12- "تم کہاں چل پڑے" اس مصرعے میں امدادی فعل کون سا ہے؟

- تم ○ کہاں ○ چل ○ پڑے ○

13- رموز وادقاف سے کیا مراد ہے؟

- علامات وقف ○ قواعد انشاء ○ قواعد اشعار ○ علم بیان ○

14- مطابقت کے اصولوں کے مطابق جملہ مکمل کریں۔
میں نے افسانے -----

- پڑھا ہے ○ پڑھے ہے ○ پڑھے ہیں ○ پڑھا ہیں ○

15- غزل کے اشعار کے آخر میں بار بار دہرائے جانے والے الفاظ کیا کہلاتے ہیں؟

- سابقہ ○ لاحقہ ○ قافیہ ○ ردیف ○

16- وہ معلوماتی تحریر جس کا تعلق زندگی کے حقائق اور مسائل سے ہو، کیا کہلاتی ہے؟

- ناول ○ افسانہ ○ مضمون ○ ڈرامہ ○

17- پانی کو چھو رہی ہے جھک جھک کے گل کی ٹہنی جیسے حسین کوئی آئینہ دیکھتا ہو۔ یہ شعر علم بیان کی کس قسم کا ہے؟

- تشبیہ ○ کنایہ ○ استعارہ ○ مجاز مرسل ○

18- حیرت یا خوشی کے اظہار کے لئے کس علامت کا استعمال کرتے ہیں؟

- رابطہ ○ ختمہ ○ تفصیلیہ ○ فحاشیہ ○

19- دو الفاظ کو جب حروف (کا، کی، کے) سے ملا کر مرکب بنایا جائے گا تو مرکب کیا کہلائے گا؟

- مرکب اضافی ○ مرکب جاری ○ مرکب ○ مرکب اشاری ○ توصیفی

20- جب کوئی لفظ اپنے حقیقی اور مجازی معنوں میں استعمال ہو تو کیا کہلاتا ہے۔

- استعارہ ○ مجاز مرسل ○ کنایہ ○ مرکب جاری ○

پاکستان انٹرنیشنل اسکول جدہ

ششماہی امتحان 2022

پرچہ اُردو لازمی برائے بارہویں جماعت



وقت: 2:35 گھنٹے

کل نمبر حصہ دوم اور سوم = 80

حصہ دوم کل نمبر 36

15=3X5

سوال نمبر 2 الف حصہ نثر

س۔ پیرا گراف پڑھ کر آخر میں دیے گئے سوالات میں سے پانچ کے جوابات لکھیں:

جاں تک اس بر عظیم کا تعلق ہے قیام پاکستان کے بعد ہمارا محاذ یکسر بدل چکا ہے۔ اب وطن اور ملت کے مفاد متضاد نہیں رہے۔ بلکہ ہم آہنگ ہو گئے ہیں۔ اور ایک کا فروغ دوسرے کی ترقی کا ضامن ہو چکا ہے۔ اس کے ساتھ ہم پر ایک نئی ذمہ داری بھی عائد ہو گئی ہے اور وہ ہے ایک کروڑ غیر مسلم پاکستانیوں کی ذمہ داری۔ ظاہر ہے کہ قیام پاکستان میں ان کی کسی قسم کی آرزوؤں نے حصہ نہیں لیا، بلکہ وہ خود بخود اس کے حصے میں آگئے ہیں۔ انہیں مفید شہری بنانے کے لئے اور ان کے اور اپنے درمیان ایک بنیادی ہم آہنگی اور ہم مقصدی کے لئے لازم ہے کہ ہمارے سامنے ایک مشترکہ نصب العین ہو جس کے تقدس سے نہ انہیں مجال انکار ہو اور نہ ہمیں یارائے انحراف۔ ظاہر ہے یہ نصب العین وطن پرستی اور وطن دوستی کے سوا اور کیا ہو سکتا ہے؟

سوالات:

1- مصنف کے مطابق قیام پاکستان کے بعد کیا بدل گیا ہے؟

2- مصنف کو ترقی کی ضمانت کس بات میں نظر آتی ہے؟

3- قیام پاکستان کے بعد نئی ذمہ داری کے بارے میں مصنف کا کیا خیال ہے؟

4- غیر مسلم پاکستانی کس طرح، پاکستان کا حصہ بنے؟

5- مشترکہ نصب العین سے، مصنف کی کیا مراد ہے؟

6- مصنف کس طرح نصب العین کی پابندی کرانا چاہتے ہیں؟

7- اس پیرا گراف کی تلخیص کریں۔

(ب) حصہ نظم

مندرجہ ذیل اشعار کو پڑھ کر آخر میں دیئے گئے سوالات میں سے تین کے جوابات لکھیں۔ 9=3x3

وہ روح میں انوار خدا صبح صادق وہ حسن جسے دیکھ کے ہر آنکھ ہو عاشق

وہ سادگی انسان کی فطرت کے مطابق زریں وہ آفتخ نور سے لبریز وہ مشرق

وہ نغمہ داؤد پرندوں کی صدا میں پیراہن یوسف کی وہ تاثیر ہوا میں

سوالات:

1- صبح کے حسن کو شاعر نے کس طرح بیان کیا ہے؟

2- مشرق کے آفتخ کا کیسا منظر ہے؟

3- شاعر انسانی فطرت کو کن الفاظ میں بیان کرتے ہیں؟

4- نغمہ داؤد اور پیراہن یوسف سے کیا مراد ہے؟ وضاحت کریں۔

یا

ہے کوئی ہنگامہ تیری تربت خاموش میں پل رہی ہے ایک قوم تازہ اس آغوش میں
تازہ انجم کا فضائے آسماں میں ہے ظہور دیدۂ انساں سے نامحرم ہے جن کی موج نور
جن کی تابانی میں انداز کن بحر نو بھی ہے اور تیرے کو کب تقدیر کا پر تو بھی ہے

سوالات:

1- تربت خاموش میں قوم تازہ سے کیا مراد ہے؟

2- شاعر نے فاطمہ بنت عبد اللہ کو تازہ انجم کیوں کہا؟

3- انسانی دید موج نور سے کیوں محروم ہے؟

4- اس شعر کے مطابق انداز کن بحر نو کی وضاحت کریں۔

ج (حصہ غزل)

مندرجہ ذیل اشعار کو پڑھ کر آخر میں دیئے گئے سوالات میں سے دو کے جوابات لکھیں۔ $6=3 \times 2$

i برا سمجھوں انھیں مجھ سے تو ایسا ہو نہیں سکتا کہ میں خود بھی ہوں اقبال اپنے نکتہ چینیوں میں

ii فقیہ شہر کی تحقیر کیا مجال میری مگر یہ بات کہ میں ڈھونڈتا ہوں دل کی کشاد

iii ابھی بادبان کو تہ رکھو ابھی مضطرب ہے رخ ہوا کسی راستے میں ہے منتظر وہ سکوں جو آکے چلا گیا

سوالات:

1- اقبال۔ دوسروں کو برا کیوں نہیں سمجھتے؟

2- فقیہ شہر کی تحقیر کے بجائے، اصل مقصد کیا ہے؟

3- بادبان کو تہ رکھنے کی وجہ کیا ہے؟

(د)۔ حصہ قواعد:

کوئی سے دو سوالات کے جوابات لکھیں۔ $6=3 \times 2$

(i) درج ذیل اشعار میں استعمال ہونے والی صنعتوں کی نشاندہی کریں۔

گر بازی عشق کی بازی ہے، جو چاہو لگا دو ڈر کیسا گر جیت گئے تو کیا کہنا، ہارے بھی تو بازی مات نہیں

وہ نغمہ داؤد پرندوں کی صدا میں پیراہن یوسف کی وہ تاثیر ہوا میں

وہ زمانے میں معزوتھے مسلمان ہو کر اور تم خوار ہوئے تارک قرآن ہو کر

(ii) نظم اور غزل کے درمیان فرق کی وضاحت کریں

(iii) مرکب اضافی تعریف کریں اور دو مثالیں لکھیں۔

حصہ سوم کل نمبر 44

(6)

سوال نمبر 3: مندرجہ ذیل میں سے کسی ایک پیراگراف کی تشریح کریں۔

(الف) چنانچہ میں نے دیکھا کہ والدہ کارنگ متغیر ہو گیا۔ باوجود فاقہ کی ناتوانی کے انہوں نے تیور بدل کر کہا: تف ہے تیری غیرت پر، خیرات اور زکوٰۃ لے کر آیا ہے اور خوش ہوتا ہے۔ ارے اس سے مر جانا بہتر تھا۔ اگرچہ ہم مٹ گئے، مگر ہمارے حرارت نہیں مٹی۔ میدان میں نکل کر مرجانا یا مار ڈالنا اور تلوار کے زور سے روٹی لینا ہمارا کام ہے، صدقہ خوری ہمارا شیوہ نہیں۔ والدہ کی ان باتوں سے مجھے پسینہ آگیا اور شرم کے مارے ہاتھ پاؤں ٹھنڈے ہو گئے۔ چاہا کہ اٹھ کر یہ چیزیں واپس کراؤں، مگر والدہ نے روکا اور کہا: خدا ہی کو یہ منظور ہے، تو ہم کیا کریں، سب کچھ سہنا ہوگا۔

(ب) ریل میں سفر کرنے کے یوں تو بہت فائدے ہیں۔ لیکن میں نے دیکھا ہے کہ اس سفر کی ترغیب دلانے والے اکثر و بیشتر جسمانی آسائش کے حصول پر زیادہ زور دیتے ہیں۔ یہ لوگ اپنے مقصد کی تکمیل کے لیے ایک ایسے شخص کی تصویر پیش کرتے ہیں، جو پوری سیٹ پر دراز سر کے نیچے تکیہ اور پاؤں کے نیچے تہہ کیا ہوا بستر رکھے ایک شان دلربائی کے ساتھ پڑھنے میں مہمک ہوتا ہے۔ آخر میں یہ لوگ اس شخص کا یہ قول پیش کرتے ہیں کہ دنیا میں آسائش کا اس سے زیادہ لطیف اور پاکیزہ تصور ناممکن ہے۔

(6)

سوال نمبر 4: مندرجہ ذیل میں سے کسی ایک نظمیںہ جزو کی آسان لفظوں میں تشریح کریں۔

(الف) - عقل ہے تیری سپر عشق ہے شمشیر تری میرے درویش! خلافت ہے جمانگیر تیری

ماسوائے اللہ کے لئے آگ ہے تکسیر تری تو مسلمان ہو تو تقدیر ہے تدبیر تیری

کی محمد سے وفا تو نے تو ہم تیرے ہیں یہ جہاں چیز ہے کیا لوح و قلم تیرے ہیں

(ب) - اے دوست دل میں گرد کدورت نہ چاہیے اچھے لوکیا بروں سے بھی نفرت نہ چاہیے

کہتا ہے کون بھول سے رغبت نہ چاہیے کانٹے سے بھی مگر تجھے وحشت نہ چاہیے

کانٹے کی رگ میں بھی ہے لہو مرغزار کا پالا ہوا ہے وہ بھی نسیم بہار کا

(9=+3+3+3)

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

(الف) کب یاد میں تیرا ساتھ نہیں، کب ہاتھ میں تیرا ہاتھ نہیں صد شکر کہ اپنی راتوں میں اب بھر کی کوئی رات نہیں

مشکل ہیں اگر حالات وہاں دل بیچ آئیں جان بیچ آئیں دل والو! کوچہ جاناں میں کیا ایسے بھی حالات نہیں

جس دھج سے کوئی مقتل میں گیا وہ شان سلامت رہتی ہے یہ جان تو آتی جانی ہے اس جان کی کوئی بات نہیں

(ب) کریں گے اہل نظر تازہ بستیاں آباد مری نگاہ نہیں سونے کوفہ و بغداد۔

یہ مداسہ یہ جواں یہ سرور و رعنائی انہیں کے دم سے ہے خانہ فرنگ آباد

نہ فلسفی سے نہ ملا سے ہے غرض مجھ کو یہ دل کی موت وہ اندیشہ نظر کا فساد

(8)

سوال نمبر 6: ایک پرانی گاڑی کی آپ بیتی تحریر کریں۔

(15)

سوال نمبر 7: کسی ایک عنوان پر پانچ سو سے چھ سو الفاظ پر مشتمل مضمون تحریر کریں۔

د: سماجی برائیاں

ب: رحمت للعالمین صلی اللہ علیہ والہ وسلم ج: مسئلہ بیروزگاری

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	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.

Fine Arts HSSC–II Half Yearly Examination 2022

SECTION – A (Marks 08)

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..... is considered as one of the finest painters and calligrapher of Pakistan.	<input type="radio"/> Shakir Ali	<input type="radio"/> Sadiquain	<input type="radio"/> Haji Mohammad Sharif	<input type="radio"/> Allah Baksh
2.The Minarat of Mosque is in spiral form.	<input type="radio"/> Sultan Ahmat	<input type="radio"/> Badshahi	<input type="radio"/> Faisal	<input type="radio"/> Ibn e Tulun
3.The building of the tomb of Shah Alam Rukun-ud-din is the highest historical holding of.....	<input type="radio"/> Karachi	<input type="radio"/> Multan	<input type="radio"/> Lahore	<input type="radio"/> none of these
4. Who built Qutub Minar on celebrate their victories over the Rajputs?	<input type="radio"/> Hindus	<input type="radio"/> Afghans	<input type="radio"/> Mughals	<input type="radio"/> None of these
5.The Tomb of Shah Ruken Aalam is cornered building..	<input type="radio"/> 5	<input type="radio"/> 6	<input type="radio"/> 8	<input type="radio"/> 9
6.Who was the artist of painting Hell and Heaven?	<input type="radio"/> Zahoor Ul Ikhlq	<input type="radio"/> Anna Molka	<input type="radio"/> Rabia Zuberi	<input type="radio"/> Faizi Rehmani
7.AlHambra was built by,..... Dynasty the last Muslim to rule in Spain.	<input type="radio"/> Mughals	<input type="radio"/> Nasrid	<input type="radio"/> Ahmeds	<input type="radio"/> None of these
8.Which Pakistani artist became first Pakistani principal of NCA in 1962?	<input type="radio"/> Sadiquain	<input type="radio"/> Haji Mohammad Sharif	<input type="radio"/> Abedin	<input type="radio"/> Shakir Ali



Pakistan International School
Half Yearly Examination 2022
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Time allowed: 2.10 hours

Total Marks: 32

Note: Answer any TEN 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 20)

Q2. Answer any TEN questions. All questions carry equal marks.

- i. Name any 4 master pieces of Ustad Allah Bakhsh and their outstanding features.
- ii. Write 4 characteristics of Lion Palace of Alhambra's Palace.
- iii. What is the outstanding feature of Cordoba Mosque's Ornaments?
- iv. How Ibn Tulun mosque different from the others?
- v. Pen down the characteristics of Anna Molka's painting.
- vi. Haji Mohammad Sharif was the miniaturist. Explain
- vii. Tomb of Shah Rukn Alam constructed by whom?
- viii. What is the importance of Islamic art in Islamic world? Write in your word.
- ix. Define Sultanate period.
- x. Which Artist introduces cubism Art in Pakistan?
- xi. Water color is a technique of painting? Who was famous as a watercolor man?
- xii. Explain Colonial period.
- xiii. Describe Turku-Persian influence on art of subcontinent.

SECTION – C (Marks 12)

Note: Attempt any two questions.

Q3. Which Architecture shows the art of Islamic glazed tiles arts in Turkey?

Q4. Zain al Abdain was the Bengali artist and what was his contribution on youth of Pakistan?

Q5. Qutub Minar reflects the indigenous craftsmanship. Explain.