

**C-5668**

**Sub. Code**

**11F**

**B.Sc./B.B.A. DEGREE EXAMINATION, APRIL 2022**

**First Year – First Semester**

**Part – I – LANGUAGE FRENCH**

**(Common for all UG)**

**(2016/2018 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Comment allez-vous traduire en Français :
  - (a) English
  - (b) French
2. Comment allez-vous traduire en anglais :
  - (a) Grammaire
  - (b) Nom
3. Qu'est-ce que le Français?
4. Quelle est la différence entre l'anglais et le Français
5. Deux types de lettre commerciale?
6. Qu'est-ce qu'une lettre?
7. définir la communication?

8. Type de communication?
9. Ecrivez en Français.
- (a) 100
  - (b) 200
10. Ecrivez en anglais :
- (a) Quarante
  - (b) Cinquante

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Présentez votre famille en Français.
- Ou
- (b) Parler de vos loisirs en Français.
12. (a) Écrire des jours dans une semaine en Français.
- Ou
- (b) D'écrire votre ville natale.
13. (a) Traduire les articles indéfinis en anglais :
- (i) un garçon
  - (ii) des garçons
  - (iii) une fille
  - (iv) un homme
  - (v) une femme

Ou

(b) Traduire les articles définis en anglais :

- (i) Le père
- (ii) le Frère
- (iii) la mère
- (iv) l'homme
- (v) l'oiseau

14. Remplir les banques avec le, la, l'et les :

- (a) (i) \_\_\_\_\_ hommes
- (ii) \_\_\_\_\_ oreille
- (iii) \_\_\_\_\_ femme
- (iv) \_\_\_\_\_ filles
- (v) \_\_\_\_\_ garçon.

Ou

- (b) (i) \_\_\_\_\_ sœur
- (ii) \_\_\_\_\_ père
- (iii) \_\_\_\_\_ mère
- (iv) \_\_\_\_\_ frères
- (v) \_\_\_\_\_ horloge

15. Lister les signes en français :

- (a) (i) . →
- (ii) , →
- (iii) ; →
- (iv) : →
- (v) ? →

Ou

- (b) (i) - →
- (ii) - →
- (iii) “ ” →
- (iv) ( ) →
- (v) ! →

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) D'écrivez l'autre fête que vous savez.

Ou

- (b) D'écrivez votre journée

17. (a) Formater une lettre de congé

Ou

- (b) rédiger une lettre d'excuse.

18. (a) Écrire l'alphabet en français.

Ou

- (b) Écrire les nombres de 1 à 20 en Français

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**C-5669**

**Sub. Code**

**11H**

**B.Sc./B.B.A. DEGREE EXAMINATION, APRIL 2022**

**First Year – First Semester**

**Part I – Hindi**

**STORY, NOVEL, GRAMMAR AND TRANSLATION**

**(Common for all U.G. Degree Courses)**

**(2016 to 2018 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**खंड - क**

(10 × 2 = 20)

**सभी प्रश्नों के उत्तर संक्षेप में लिखिए।**

1. प्रेमचन्द के उपन्यासों में किन्हीं चार का नाम लिखिए।
2. लहनासिंह ने बोधासिंह को कैसे बचाया?
3. मोहनलालजी महता 'वियोगी' का संक्षिप्त परिचय दीजिए।
4. कौन किस के लिये क्या प्रायश्चित्त करता है?
5. उदयभानुलाल को किसने मार डाला और क्यों?
6. भुवनमोहन सिन्हा का संक्षिप्त परिचय दीजिए।
7. कृष्णा का संक्षिप्त परिचय दीजिए।
8. भालचन्द्र सिन्हा का संक्षिप्त परिचय दीजिए।

9. लिंग किसे कहते हैं? उनके कितने प्रकार हैं?
10. वचन कैसे कहते हैं? उनके कितने प्रकार हैं?

**खंड - ख**

(5 × 5 = 25)

**सभी प्रश्नों के उत्तर दीजिए। उत्तर संक्षेप में हो।**

11. (a) लाल बिहारी का संक्षिप्त परिचय दीजिए।  
(या)  
(b) 'प्रायश्चित्त' कहानी की शीर्षक की सार्थकता पर विचार कीजिए।
12. (a) 'उसने कहा था' इस कहानी में कौन किससे क्या कहा था?  
(या)  
(b) पाँच मिनट की मुलाकात में गोपाल ने बाबूजी से क्या कहा?
13. (a) तोताराम के साथ निर्मला की शादी किस हालत में हुई?  
(या)  
(b) जियाराम ने आत्महत्या क्यों की?
14. (a) सियाराम किसके साथ भाग गया और क्यों?  
(या)  
(b) कल्याणी और उदयभानुलाल के बीच में झगडा क्यों हुआ?
15. (a) 'कारक' किसे कहते हैं? उनके भेदों को उदाहरण सहित समझाइए।  
(या)  
(b) संज्ञा किसे कहते हैं? उनके भेदों को उदाहरण सहित समझाइए।

किन्हीं तीन प्रश्नों के उत्तर दीजिए। उत्तर विस्तार से हो।

16. (a) कहानी कला के तत्वों के आधार पर 'उसने कहा था' कहानी का सारांश लिखिए।

(या)

- (b) 'निर्मला' का चरित्र-चित्रण कीजिए।

17. (a) 'निर्मला' उपन्यास में चित्रित सामाजिक समस्याओं पर विचार कीजिए।

(या)

- (b) सर्वनाम किसे कहते हैं? उनके भेदों को उदाहरण सहित समझाइए।

18. (a) अंग्रेज़ी में अनुवाद कीजिए।

अक्सर लड़के अपने से बड़ों की नकल करते हैं। बचपन में लड़के अधिक समय माता-पिता के पास रहते हैं। इसलिए वे उनकी अच्छाइयों और बुराइयों का अनुकरण करने लगते हैं। यह मानी हुई बात है कि अच्छाई की अपेक्षा बुराई का अनुकरण लोग आसानी से करते हैं। जो बात बचपन से लड़के सीख लेते हैं, आगे चलकर वही आदत बन जाती है। इसलिए जो अपने बाल-बच्चों का चरित्र बिगाड़ना नहीं चाहते, उनको चाहिए कि वे खुद भी अच्छा आचरण करें। शिक्षा का असली उद्देश्य चरित्र का निर्माण ही है।

(या)

- (b) कृष्णा का चरित्र-चित्रण कीजिए।

C-5667

Sub. Code

11T

**B.Sc./B.B.A. DEGREE EXAMINATION, APRIL 2022.**

**First Year / First Semester**

**Part – I**

**தமிழ்ச்செம்மொழியும் தமிழர்களின் பன்முகத்திறனும்**

**(Common for all U.G. Degree Courses)**

**(2016 to 2018 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**பகுதி அ**

(10 × 2 = 20)

அனைத்து வினாக்களுக்கும் விடையளிக்கவும்.

1. ஓட்டுநிலை மொழி என்றால் என்ன?
2. தமிழின் செம்மொழித் தகுதிகளைச் சான்றுகளுடன் எடுத்துக் காட்டி விளக்கியவர் யார்?
3. செம்மொழி தகுதிபெற்றக் காப்பியங்கள் கூறுக.
4. தழை ஆடை என்பதென்ன?
5. கழல் என்னும் அணிகலன் பண்டைகாலத்தில் இருந்தமைக்கு இலக்கியச் சான்று ஒன்று காட்டுக.
6. குகை காவியங்கள் பற்றிக் குறிப்புரைக்க.
7. களிமண் சிற்பங்கள் பற்றிக் கூறுக.
8. பண்டைக் காலத்தில் காணப்பட்ட வாணிபப் போக்குவரத்து முறைகள் இரண்டினைக் கூட்டுக.
9. மருந்துகளால் பெயர்பெற்ற இரண்டு அறநூல்கள் தருக.
10. விருந்தோம்பல் குறித்த வள்ளுவரின் சிந்தனை ஒன்றைத் தருக.



அனைத்து வினாக்களுக்கும் விடை தருக.

11. (அ) இந்தியச் செம்மொழிகள் பற்றி எடுத்துரைக்க.

(அல்லது)

(ஆ) தமிழ்ச் செம்மொழி இலக்கியங்கள் வரிசைப்படுத்தி அத்தகுதி பெற்றமைக்கானச் காரணங்களை சுருக்கி விளக்குக.

12. (அ) நடலாடை , பட்டாடைக் குறித்த இலக்கியப் பதிவுகளைத் தருக.

(அல்லது)

(ஆ) ஆடைக்கும் பண்பாட்டிற்கும் உள்ள தொடர்பு குறித்து எடுத்துரைக்க.

13. (அ) காப்பியங்கள் காணலாகும் அணிகலன்கள் பற்றிய பதிவுகளைத் தருக.

(அல்லது)

(ஆ) பெண்கள் அணியும் அணிகலன்களாக இலக்கியங்கள் வழி அறியப்படுவனவற்றைச் சான்றுடன் தருக.

14. (அ) இலக்கியங்கள் வழி அறியலாகும் சிற்பக்கலை குறித்து எடுத்துரைக்க.

(அல்லது)

(ஆ) கட்டடக்கலைக்கும் காப்பியங்கள் சான்றுகளை எடுத்துரைக்க.

15. (அ) பண்டை இலக்கியங்கள் வழி அறியப்படும் மருத்துவக் குறிப்புகளைத் தருக.

(அல்லது)

- (ஆ) பண்டைத் தமிழ் மக்கள் போற்றிய விருந்தோம்பலை விரித்துரைக்க.

**பகுதி இ**

(3 × 10 = 30)

அனைத்து வினாக்களுக்கும் விடை தருக.

16. (அ) தமிழின் சிறப்புகளையும், அதன் இலக்கிய வளமை குறித்தும் கட்டுரை வரைக.

(அல்லது)

- (ஆ) தமிழ்ச் செம்மொழி நூல்களின் தனித்தன்மைகளை விளக்கி ஆராய்க.

17. (அ) ஆடை வகைகளை இலக்கியச் சான்று காட்டி விரித்துரைக்க.

(அல்லது)

- (ஆ) தமிழர்களின் அணிகலன் பயன்பாடு குறித்துக் கட்டுரைக்க.

18. (அ) இசைக்கலை குறித்துச் செம்மொழிச் இலக்கியக் பதிவுகள் சான்றுடன் விளக்கியுரைக்க.

(அல்லது)

- (ஆ) இலக்கியங்கள் வழி அறியலாகும் பண்பாடு பழக்க வழக்கங்கள் பற்றிக் கட்டுரை வரைக.

**C-5670**

**Sub. Code**

**91411/12**

**Common for all U.G. B.Sc./B.B.A. DEGREE  
EXAMINATION, APRIL 2022**

**First Year/First Semester**

**English**

**Part II – ENGLISH PROSE AND COMMUNICATION  
SKILLS**

**(2016 to 2018 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is vocational education?
2. What is it that Indira Gandhi does not demand?
3. What did Stevenson ride on?
4. What was the boy's reaction to the punishment?
5. What was remarkable about Ernest Thompson Seton's *Wild Animals I have Known*?
6. What are the tree visions that Sarojini Naidu talks of?
7. He \_\_\_\_\_ my uncle yesterday. (Use correct form of verb)
8. Define Noun.
9. Seenu is a boy \_\_\_\_\_ poor family. (use appropriate preposition)
10. \_\_\_\_\_ you like to have tea or coffee? (Use correct auxiliaries)

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write a short note on how to attain Excellence I education emphasized by Livingstone.

Or

- (b) Substantiate Indira Gandhi's view that the youth are the backbone of India.

12. (a) What is the usefulness of forming habits?

Or

- (b) How does the teacher try to repair the damage done and with what result?

13. (a) What books did Margaret Atwood enjoy reading?

Or

- (b) What does Sarojini Naidu say about the vision of patriotism?

14. (a) Write a short note on types of sentences.

Or

- (b) Fill in the blanks using Present Perfect Continuous Tense:

- (i) The \_\_\_\_\_ (work) all day.  
(ii) He eyes were red because she \_\_\_\_\_ (cry).  
(iii) She \_\_\_\_\_ ( sing) upto that morning.  
(iv) They \_\_\_\_\_ (wait) for her since 8 0' clock.  
(v) Mani \_\_\_\_\_ (read) this book for the past three hours.

15. (a) Write the correct sentence pattern.
- (i) I finished the work.
  - (ii) She worked in a reputed company.
  - (iii) Our headmaster Sideline was a lending library.
  - (iv) They made David Chairman of the Rotary Club.
  - (v) We wish you happy new year.

Or

- (b) Fill in the blanks using appropriate Prepositions:
- (i) He came \_\_\_\_\_ the office \_\_\_\_\_ a big hurry.
  - (ii) We drove \_\_\_\_\_ the store.
  - (iii) Four armed men held \_\_\_\_\_ the bank.
  - (iv) We finally lived \_\_\_\_\_ that incident.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) What, according to Livingstone, are the essentials of education?

Or

- (b) Write an essay on personality of Indira Gandhi as revealed in her speeches.

17. (a) What are Gardiner's views on the desirability or otherwise of forming habits?

Or

- (b) Write an essay in 500 words about the relationship between the rich student and the poor teacher.

18. (a) Write an essay on present tenses.

Or

(b) Fill in the blanks with correct preposition.

Nehru was called \_\_\_\_\_ to say a few words  
\_\_\_\_\_ the occasion \_\_\_\_\_ the  
assassination \_\_\_\_\_ Gandhi \_\_\_\_\_ an  
utter sense \_\_\_\_\_ shame, Nehru expressed  
his regret \_\_\_\_\_ the failure out country  
\_\_\_\_\_ give protection \_\_\_\_\_ the life  
\_\_\_\_\_ this great man, as well as that  
\_\_\_\_\_ many an innocent man, woman and  
child.

\_\_\_\_\_

**C-5672**

**Sub. Code**

**21F**

**B.Sc./B.B.A. DEGREE EXAMINATION, APRIL 2022**

**Second Year — Second Semester**

**Part 1 — FRENCH**

**(Common for all UG Degree courses)**

**(2016 to 2018 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Que savez-vous du français ?
2. Trouvez les réponses :
  - (a) Comment tu t'appelles ? \_\_\_\_\_
  - (b) Comment allez-vous ? \_\_\_\_\_
3. Dites les nombres :
  - (a) les filles dans la classe : \_\_\_\_\_
  - (b) les garçons dans la classe : \_\_\_\_\_
4. C'est quoi les accents ?
5. Quels sont les trois types d'accents ?
6. C'est quoi les articles ?
7. Types d'articles ?

8. Types de pronoms.
9. La monnaie de la France est :
10. Le drapeau français est :

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. Donnez les mots français :

- (a) (i) Hello :
- (ii) Good Morning :
- (iii) Good Evening :
- (iv) Fine Thank You :
- (v) How are you ? :

Ou

- (b) (i) See You Tomorrow :
- (ii) What is Your Name :
- (iii) Good Afternoon :
- (iv) Excuse Me :
- (v) Madam :



12. Ecrivez les nombres suivants en chiffres :

- (a) (i) seize :
- (ii) dix-neuf :
- (iii) douze :
- (iv) neuf :
- (v) treize :

Ou

- (b) (i) cinq :
- (ii) quinze :
- (iii) vingt :
- (iv) onze :
- (v) quatre :

13. Ecrivez les nombres en lettres :

- (a) (i) 39 -
- (ii) 46 -
- (iii) 41 -
- (iv) 64 -
- (v) 25 -

Ou

- (b) (i) 62 -
- (ii) 70 -
- (iii) 53 -
- (iv) 48 -
- (v) 37 -

14. Ecrivez le nom des couleurs en français :

- (a) (i) Black :
- (ii) White :
- (iii) Rose :
- (iv) Blue :
- (v) Grey :

Ou

- (b) (i) Green
- (ii) Yellow
- (iii) Violet
- (iv) Purple
- (v) Orange.

15. (a) Décrivez votre mère en 5-6 lignes.

Ou

(b) Décrivez votre famille.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. Give the French Equivalent for the following countries.

- (a) (i) England →
- (ii) Africa →
- (iii) America →
- (iv) China →
- (v) Egypt →
- (vi) Iran →
- (vii) India →
- (viii) France →
- (ix) Italy →
- (x) Rome

Or

- (b) (i) Dubai →
- (ii) Muscut →
- (iii) Norway →
- (iv) Switzerland →
- (v) Mascow →
- (vi) Singapore →
- (vii) Spain →
- (viii) London →
- (ix) Paris →
- (x) Japan →

17. (a) Ecrivez dix noms de Legumes en Français.

Ou

(b) Ecrivez n'importe quel nom de dix fruits en Français.

18. (a) Presentez - vous en français.

Ou

(b) Décrire une station de montagne en français.

\_\_\_\_\_

**C-5673**

**Sub. Code**

**21H**

**U.G. DEGREE EXAMINATION, APRIL 2022**

**Second Year – Second Semester**

**Part I – Hindi**

**HINDI II – PROSE, GRAMMAR AND TRANSLATION – II**

**(Common for all UG Degree courses)**

**(2016/2018 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

**(10 × 2 = 20)**

**सभी प्रश्नों के उत्तर संक्षेप में लिखिए।**

1. वैज्ञानिक युग में भारत का दायित्व क्या है?
2. घृणा और भय में क्या सम्बन्ध है?
3. रजिया ने लेखक को पहली मुलाकात में क्यों प्रभावित किया?
4. मक्रील के वातावरण पर प्रकाश डालिए।
5. भ्रमण के लिए नक्शे से क्या मदद मिलती है?
6. राष्ट्रपिता महात्मा गाँधी पाठ का लेखक कौन है और यह पाठ किस विधा की रचना है?
7. किसी विदेशी को भारत अनेक देशों का समूह क्यों प्रतीत होता है?
8. घृणा का समाज में क्या महत्व है?

9. लेखक ने रजिया को अन्तिम बार किस रूप में देखा?
10. 'बहता पानी निर्मला पाठ का निष्कर्ष क्या है'?

**Part B**

(5 × 5 = 25)

सभी प्रश्नों के उत्तर दीजिए।

संदर्भ सहित व्याख्या कीजिए।

11. (a) हमारी सामूहिक चेतना ऐसे नैतिक आधार पर ठहरी हुई है, जो पहादों से भी मजबूत, समुद्रों से भी गहरी और आकाश से भी अधिक व्यापक है।

(या)

- (b) जिस वस्तु का जीवन में इतना मूल्य है, उसे शिथिल होने देना, अपने पाँव में कुल्हाड़ी मारना है।

12. (a) फिर जरा-सा रुककर बोली-सुना था, आप यहीं रहते हैं। कहाँ रहते हैं मालिक? मैं तो अकसर आया करती हूँ।

(या)

- (b) मेरे सुख को बाँटनेवाला कोई नहीं, इसलिए वह विकास न या, तीव्र दाह बन जाता है।

13. (a) "जनाब, अपना बोरिया-विस्तर समेटिए और जरा चलते-फिरते नजर आइये"। यह आपका अपमान नहीं है।

(या)

- (b) जहाँ स्त्रियों को वही अधिकार है जो पुरुषों को, यह मेरे स्वप्नों का भारत है।

व्याकरण :

14. (a) 'ने' विधि का प्रयोग समझाइए।  
(या)  
(b) वर्तमानकाल के भेदों को उदाहरण सहित समझाइए।
15. (a) भूतकाल के भेदों को उदाहरण सहित समझाइए।  
(या)  
(b) भविष्यत्काल के भेदों को उदाहरण सहित समझाइए।

**Part C**

(3 × 10 = 30)

किन्हीं तीन प्रश्नों का उत्तर दीजिए।

उत्तर विस्तार से हो।

16. (a) 'भारतीय संस्कृति' पाठ का सारांश लिखिए।  
(या)  
(b) 'बहता पानी निर्मला' पाठ का सारांश लिखिए।
17. (a) क्रिया विशेषण किस कहते हैं? अर्थ के अनुसार इसके कितने भेद हैं?  
उदाहरण सहित समझाइए।  
(या)  
(b) कारक किसे कहते हैं? उनके भेदों को उदाहरण सहित समझाइए।

18. (a) हिन्दी में अनुवाद कीजिए।

One day Prince Siddhartha was playing in the palace-garden. He saw some wild swans flying in the sky. He loved these fine birds very much. Suddenly one of the swans dropped down from the sky and fell at his feet. There was an arrow in its side. Blood was coming out of its body. The prince felt very unhappy. He took the arrow out of the bird gently. He put some green leaves on the wounded part.

(या)

(b) King Dasaratha had three queens, Kausalya, Kaikeyi and Sumithra. Rama was the son of the eldest queen Kausalya, Bharata was the son of Kaikeyi; while Sumitra had two sons, Lakshmana and Sathrughna. Lakshmana was devoted to Rama and was always in his company; while Sathrughna was specially devoted to Bharatha. The four brothers lived in great friendship, and the three younger brothers worshipped their eldest brother Rama.



C-5671

Sub. Code

21T

Common for B.Sc./B.B.A DEGREE EXAMINATION,  
APRIL 2022

Second Year / Second Semester

Common for all U.G. Degree Course

Part – I இலக்கணமும், படைப்பிலக்கியமும்

(2016-2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

பகுதி அ

ஒரிரு வரிகளில் விடை தருக.

(10 × 2 = 20)

1. மெய்யெழுத்துக்களின் வகைகளைக் கூறுக.
2. உடம்படுமெய் என்றால் என்ன?
3. மு.மேத்தா எதன்மூலம் எதையும் அடைந்துவிட முடியும் என்கிறார்?
4. வைரமுத்துவின் விதைச்சோளம் கவிதையின் அடிநாதமாக விளங்குவது யாது?
5. அசோகமித்ரன் 'பள்ளியில் ஒரு நாய்க்குட்டி' எனச் சுட்டுவது யாது?
6. 'தந்தை மகனுக்கு ஆற்றும் நன்றி' என்னும் சிறுகதையின் கரு யாது?
7. இணைய முகவரி என்றால் என்ன?
8. இணைய இதழ்கள் இரண்டின் பெயர்களைச் சுட்டுக.
9. புதுக்கவிதை உத்திகளுள் இரண்டினைக் கூறுக.
10. தமிழ்ச் சிறுகதைகளின் முன்னோடி எது? அதனை எழுதியவர் யார்?

ஒரு பக்க அளவில் விடை தருக.

11. (அ) மொழி முதலெழுத்துக்களை எழுதுக.

(அல்லது)

(ஆ) சார்பெழுத்துக்களின் வகைகளைக் கூறுக.

12. (அ) புத்தகசாலை நாட்டில் ஏற்படுத்தும் மாற்றங்களாகப் பாரதிதாசன் கூறுவனவற்றை விளக்குக.

(அல்லது)

(ஆ) மீராவின் கவிதை உத்திகைள 'சாகாதவானம்' கவிதை கொண்டெழுதுக.

13. (அ) புராணத்தைப் புதிய கண்ணோட்டத்தில் படைத்துக் காட்டும் புதுமைப்பித்தனின் போக்கை விளக்குக.

(அல்லது)

(ஆ) அர்ச்சனை ரூபாய் சிறுகதையில் கு.ப.ரா. வெளிப்படுத்தும் வாழ்வியல் உண்மையை எழுதுக.

14. (அ) மின்னஞ்சல் முகவரி உருவாக்கும் முறை குறித்தெழுதுக.

(அல்லது)

(ஆ) தமிழ் வளர்ச்சித் துறையின் இணையதளம் பற்றி எழுதுக.

15. (அ) மரபுக்கவிதை என்றால் என்ன? விளக்குக.

(அல்லது)

(ஆ) சிறுகதை வடிவம் குறித்தெழுதுக.

பகுதி இ

(3 × 10 = 30)

கட்டுரை வடிவில் விடை தருக.

16. (அ) மொழியிறுதி எழுத்துக்களை விவரி.

(அல்லது)

(ஆ) வல்லினம் மிகும் இடங்களைத் தொகுத்துரைக்க.

17. (அ) சிறுகதையின் தோற்றமும் வளர்ச்சியும் குறித்துக் கட்டுரைக்க.

(அல்லது)

(ஆ) மின்நூலகங்கள் தமிழ் வளர்க்கும் பாங்கை விவரி.

18. (அ) “மனிதநேயம் போற்றுவோம்” என்னும் தலைப்பில் கவிதை இயற்றுக.

(அல்லது)

(ஆ) சுற்றுச்சூழலைப் பேணுதல் என்னும் கருவை மையமிட்டு சிறுகதை படைத்தீடுக.

**C-5674**

**Sub. Code**

**91421/22**

**B.Sc./B.B.A. DEGREE EXAMINATION, APRIL 2022**

**Second Year/Second Semester**

**Common for all UG Degree Courses**

**Part II – ENGLISH - PROSE, EXTENSIVE READING  
AND COMMUNICATION SKILLS**

**(2016 to 2018 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Kalam is proud of having worked with three great men. Who are they?
2. What kind of society did we have in the pre-war period?
3. What are the two ways in which science benefits man?
4. Why does Nehru regard Gandhi as the sun?
5. What experiences do students in schools and colleges have in arguing?
6. What was the agreement between Bob and Jimmy twenty years before, when they parted?
7. How did the Quick man explain it away?

8. What did the stranger want to know?
9. What are the types of adjective clause?
10. What is Sub-ordinate Conjunctions? Give example.

**Part B** (5 × 5 = 25)

Answer **all** questions.

11. (a) What does Kalam say about the passivity of Indians?

Or

- (b) What are the contradictory views of Plato on the artist's role in society?

12. (a) How does Nehru reconcile himself with Gandhi's death?

Or

- (b) What is Lynd's conversion to socialism and nationalism?

13. (a) How does the true friendship reflect in *After Twenty Years*?

Or

- (b) How did the conjuror take his revenge on the Quick Man?

14. (a) How did the father test the skills of his sons?

Or

- (b) How do Phrase help in making of Simple sentence?

15. (a) Jot down the changes/ rules while transforming the Exclamatory sentences of Direct speech into Indirect speech.

Or

- (b) Write a paragraph on the 'Formation of Positive and Superlative Degrees'.

**Part C** (3 × 10 = 30)

Answer **all** questions.

16. (a) Write an essay on Kalam's three visions.

Or

- (b) What does Holt say about ballet training? What does he deduce from it?

17. (a) How are the two friends contrasted?

Or

- (b) Elucidate how the conjuror's tricks and the Quick Man's deflationary comments for it.

18. (a) What are the kinds of Conjunctions? Explain in detail.

Or

- (b) What are the Degrees of comparison? Explain with examples.

**C-5675**

**Sub. Code**

**31**

**B.Sc./B.B.A. DEGREE EXAMINATION, APRIL 2022**

**Third Semester**

**Part II — ENGLISH — COMMUNICATIVE SKILLS**

**(Common for all U.G. Degree Courses)**

**(2016 to 2018 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Mention two barriers to communication.
2. Give two examples for negative gestures.
3. What are homonyms? Give an example.
4. Replace the infinitives in the given sentences with gerunds:
  - (a) Bheema loves to eat.
  - (b) Sandhya's hobby is to make dolls.
5. Choose the right adjectives to fill in the blanks:
  - (a) There isn't \_\_\_\_\_ milk, left in the fridge. (much/many)
  - (b) Karkuzhazhi is a \_\_\_\_\_ girl. (handsome/beautiful)
6. Choose the right prepositions to fill in the blanks:
  - (a) The discussion was \_\_\_\_\_ politics.(on/ about)
  - (b) Isai is junior \_\_\_\_\_ Arun. (than/to)

7. What is primary stress?
8. What are the kinds of intonation?
9. What is SQ3R?
10. What is scanning?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write briefly on the ways of challenging the barriers of communication.

Or

- (b) Define communication and mention the types of communication.

12. (a) Distinguish between active voice and passive voice with examples.

Or

- (b) What are phrasal verbs and prepositional phrases? Give examples.

13. (a) Write briefly on unnecessary articles and prepositions with examples.

Or

- (b) Put the adverbs in the given sentences in the right position:

- (i) Jenny cries without sometimes a reason.
- (ii) Selvi comes often early to office.
- (iii) The lark sings in the morning happily.
- (iv) Do not forget regularly to take your medicines.
- (v) Dr. Salim Ali lovingly spoke to his students.



14. (a) Distinguish between primary and secondary stress with examples.

Or

- (b) Use appropriate intonation symbols for the given expressions.
- (i) Where do you live?
  - (ii) Thanks, my friend,
  - (iii) Are you happy?
  - (iv) What a beautiful picture!
  - (v) God is love.
15. (a) Write a paragraph on the characteristics of good handwriting.

Or

- (b) Write briefly on the mechanics of hand-writing.

**Part C** (3 × 10 = 30)

Answer **all** questions.

16. (a) Write in detail on the kinds of verbal and non-verbal communication.

Or

- (b) Frame questions to suit the following responses:

- (i) There are twenty- nine states in India
- (ii) May is the hottest month in our country.
- (iii) I would like to have some coffee.
- (iv) Raji is my friend.
- (v) Kodai is my favourite tourist location.
- (vi) My mother is a doctor.
- (vii) This chair costs Rs. 500.

- (viii) Rithika works in a dance school.
- (ix) Ameer's father is a famous poet.
- (x) The Quran is the holy book of the Muslims.

17. (a) Identify the sentences as simple, compound and complex:

- (i) I believe that God exists.
- (ii) Seeing the snake, Ravi shouted.
- (iii) Tell me the truth and you won't be punished.
- (iv) He worked, while I sang.
- (v) When Shree came in, Gautam was playing the piano.
- (vi) Pravin and Valli are working on a new project.
- (vii) The bird cannot fly unless it has wings.
- (viii) Rahul loves dancing, therefore he has joined a dance school.
- (ix) Nikil hates garlic, but his mother forces him to eat it.
- (x) Being slim and agile, Krishil climbs the mango tree easily.

Or

(b) How are nouns, verbs, adjectives and adverbs often confused? Explain in detail and give examples.

18. (a) Write an essay on 'the importance of reading'.

Or

(b) Write in detail on vowel and consonant sounds.

**C-5676**

**Sub. Code**

**41**

**COMMON FOR ALL U.G. DEGREE COURSES  
B.Sc./B.B.A. DEGREE EXAMINATION, APRIL 2022**

**Fourth Semester**

**EMPLOYABILITY SKILLS**

**(2016 to 2018)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is meant by telephone etiquettes?
2. What are the different types of interview?
3. Mention few techniques for formal letter writing.
4. What are the key elements for writing resume?
5. Why do we great people / others?
6. What is meant by review writing?
7. What are the different types of composition?
8. How do we develop our creative competency?
9. What is meant by non-verbal communication?
10. How does personal appearance help non – verbal communication?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the different ways to express our opinions?

Or

- (b) Write a short note on techniques of interview.

12. (a) Describe the steps to be followed while filling a bank challan.

Or

- (b) What are the steps to be followed to write a resume?

13. (a) What are the different types of greetings? Write short note on it.

Or

- (b) Write a short note on developing topic sentences into paragraph.

14. (a) Write a paragraph on controlled composition.

Or

- (b) Write a note on different steps to develop creative competency.

15. (a) Write a short note on different types of non-verbal communication.

Or

- (b) What are the uses of visual aids?

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe in detail on interview skills and its techniques.

Or

- (b) Write a letter to your father about your health issues at the hostel

17. (a) Write a short note on the following

- (i) Note-making.  
(ii) Note-taking.

Or

- (b) Prepare a report of your annual project.

18. (a) Write an essay on different kinds of composition.

Or

- (b) Write an essay on merits and demerits of visual aids.
-

**C-7281**

**Sub. Code**

**97213**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**First Semester**

**Aviation**

**INTRODUCTION TO AVIATION INDUSTRY**

**(2019 onwards)**

Duration: 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer all questions.

1. Define Aviation.
2. What do you mean by the term 'Low Cost Carrier'?
3. Expand DGCA and CISF.
4. Define the term BCAS.
5. Name any four Low Cost Carrier in India.
6. Write any three Special Service Requirement Codes.
7. What is Airport Planning?
8. Define Airport.
9. Write any two major players in Airline Industry.
10. What are the functions of Airport?

Part B

(5 × 5 = 25)

Answer all questions.

11. (a) Explain about the introduction to the Aviation Industry.

Or

- (b) Explain about IACO and its functions.

12. (a) Explain the functions of CISF.

Or

- (b) Explain the role of ministry of Civil Aviation in India.

13. (a) Explain about Commercial Aviation Terminology.

Or

- (b) Write short notes on “Aviation Terminology”.

14. (a) Narrate the functions of Airport.

Or

- (b) Explain about growth of traditional Planning Approach.

15. (a) Explain the market potential on Indian Airlines Industry.

Or

- (b) Explain about Global, Social and Ethical Environment

Part C

(3 × 10 = 30)

Answer all questions.

16. (a) Narrate about “Freedom of Air”.

Or

(b) Explain about IATA and its functions.

17. (a) Explain the importance of CISF.

Or

(b) Write a short note on “Special Service Requirement Codes”.

18. (a) Explain about major players in Airlines Industry.

Or

(b) Explain the current challenges in Airline Industry.

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**C-7282**

**Sub. Code**

**97214**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**First Semester**

**Aviation**

**AIRPORT OPERATIONS**

(2019 onwards)

**Duration: 3 Hours**

**Maximum : 75 Marks**

**Part A**

(10 × 2 = 20)

Answer all questions.

1. Write short notes on Chicago Convention.
2. Write about the Aviation Organization.
3. What is Airport?
4. What is Heliport?
5. Define Customer Service.
6. What is Airport Cost?
7. Define Solstice.
8. What is Open Sky Policy?
9. Why Markings are required in Airport Runways, Taxiways, Aprons and Ramp?
10. What is Ramp Services in Airport?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the Principles of Aviation.

Or

(b) Explain about the development on standardization of Aviation Industry.

12. (a) Describe the classification of Airports.

Or

(b) Explain about the structural differences between International and Domestic Airport.

13. (a) Explain about the different types of Customers.

Or

(b) Write short notes on Airport Revenues.

14. (a) Narrate the IATA Traffic conference Area.

Or

(b) Explain about Visa process in International Airport.

15. (a) Explain in detail about Ground Support Equipments.

Or

(b) Explain about Runway Lighting.

Part C

(3 × 10 = 30)

Answer all questions.

16. (a) Explain in detail about the impact of Aviation in World Wars.

Or

- (b) Explain in detail about the various types of Airports.

17. (a) Explain briefly about the Economic benefits of Airport business.

Or

- (b) Explain about the Planning Itineraries by Air.

18. (a) Explain in detail about Airport Signs and Marking used in Airport Structures.

Or

- (b) Explain briefly about the Ground Support Equipment in Airport operations.

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**C-7283**

**Sub. Code**

**97215**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**First Semester**

**Aviation**

**BASIC ELECTRICITY AND ELECTRONICS**

**(2019 onwards)**

Duration: 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define Power Factor.
2. State Ohm's Law.
3. What is Single Phase Induction Motor?
4. Write the Power Equation of a DC Motor.
5. What do you understand by Voltage Regulation?
6. What is Zener Effect?
7. What are the different types of Logic Gates?
8. What are the different types of Flip- flop?
9. What is Modulation?
10. What is Analog Signal?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the waveforms and RMS value of AC circuits.

Or

- (b) Explain Kirchhoff's first and second law with neat diagrams.

12. (a) Write down the applications of Motors and Generators.

Or

- (b) Explain the construction of single phase Induction motor using diagrams.

13. (a) Explain three different Transistor Circuit Configurations.

Or

- (b) Explain Zener Diode in brief.

14. (a) Simplify  $(A + \overline{A})(AB + \overline{ABC})$

Or

- (b) Draw the different types of Shift Register.

15. (a) Explain the different types of Modulation in detail.

Or

- (b) Explain Analog and Digital Signals with neat diagrams.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain briefly about various types of Transformer.

Or

- (b) Explain in detail DC Motors with suitable diagrams.

17. (a) Explain PN junction diode and its characteristics with suitable diagrams.

Or

- (b) Explain the construction and working of Bridge Rectifier.

18. (a) Explain briefly about BJT with neat diagrams.

Or

- (b) Explain about Binary Number System and Boolean Algebra.
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**C-7284**

**Sub. Code**

**97223**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Second Semester**

**Aviation**

**AIR REGULATIONS**

**(2019 onwards)**

Duration: 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define:
  - (a) Aerodrome
  - (b) Journey log Book
2. Define:
  - (a) Change of ownership
  - (b) Issue of duplicate certificate of registration
3. Define:
  - (a) Infected Person
  - (b) Medical Examination
4. Explain:
  - (a) Cargo Aircraft
  - (b) Dangerous goods
5. Explain dangerous goods accident and incident.

6. What are the objective of the investigation of accidents and incidents?
7. Define Air Traffic Services.
8. What are the purposes of Air Traffic Control?
9. Write down the functions DGCA.
10. What are the documents to be carried as per article 29 of convention of Chicago?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write down the powers of Aircraft Accident Investigators.

Or

- (b) Write briefly about the special provisions relating to the carriage of dead bodies and cremated remains in Aircraft.

12. (a) What are different modes of communication?

Or

- (b) Write short note on controlled and uncontrolled airport.

13. (a) Write short notes on carriage of dangerous goods.

Or

- (b) What are advantages of shift work?

14. (a) Write short notes on Human errors and reliability.

Or

- (b) What is Human error at work place? And explain errors Associated with visual inspection.



15. (a) What is Decision making? Give a brief explanation about decision making

Or

- (b) What is operator certification and explain in detail?

**Part C** (3 × 10 = 30)

Answer **all** questions.

16. (a) Describe DGCA Organization and its Structure.

Or

- (b) How an Aircraft is regarded or considered if it is infected by small pox?

17. (a) Describe in detail about the Flight information System.

Or

- (b) Write down the functions of Aircraft Accident Investigation Bureau.

18. (a) What are the factors determining work load of a worker?

Or

- (b) Describe in detail about the operator certification and supervision requirements.

**C-7285**

**Sub. Code**

**97224**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Second Semester**

**Aviation**

**AIRCRAFT AND ENGINE (GENERAL)**

**(2019 onwards)**

Duration: 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Differentiate biplane and monoplane.
2. What are the three axes of motion?
3. Define Mach number.
4. Define Jet velocity.
5. What you understand by Aircraft fuselage?
6. Define shear stress.
7. Define Lift force.
8. Explain Bernoulli's principle.
9. Differentiate piston engine and jet engine.
10. What is angle of attack?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the classification of aircrafts.

Or

- (b) Explain the types of landing gears.

12. (a) Explain basic instruments for flying.

Or

- (b) Explain the wings construction.

13. (a) Define shockwaves and its types.

Or

- (b) Explain physical properties and structure of atmosphere.

14. (a) Explain Turboprop engine.

Or

- (b) Describe the principles of rocket engine.

15. (a) Write short notes on semi-monocoque construction.

Or

- (b) Explain about metallic and non metallic materials used in aircraft construction.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Briefly explain the main parts of an aircraft.

Or

- (b) Explain the types of power plants used in aircrafts.

17. (a) Write detailed notes about airfoils.

Or

- (b) Explain in detail about propeller used for aircraft propulsion.

18. (a) Briefly explain the factor of safety for flying aircraft.

Or

- (b) Explain the emergency decent procedure.

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**C-7286**

**Sub. Code**

**97232**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Third Semester**

**Aviation**

**COMPUTER APPLICATIONS**

**(2019 onwards)**

Duration: 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. List out the characteristics of Computer.
2. What is an Operating System?
3. How will you create a new word document and save the document in MS-word?
4. What is an e-mail?
5. Define Multimedia.
6. Write down the main components of Coral Draw.
7. Differentiate static RAM and dynamic RAM.
8. What is a Webcam?
9. Write about WAN.
10. What is a Wi-Fi router?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the classification of computer based on size.

Or

- (b) Write in detail the shutdown menu of computer.

12. (a) What is a word template? How to create, save and close a template in MS-Word?

Or

- (b) Explain in detail the components of an e-mail.

13. (a) Explain in detail about cropping technique in Photo shop.

Or

- (b) Write in detail about the tools that add 3-Dimensional effects to objects in Coral Draw.

14. (a) Explain types of memories in detail.

Or

- (b) What is a Scanner? How to set up a scanner and scan a document?

15. (a) Write about the guided transmission mediums in detail.

Or

- (b) Write about the components: switches, bridges, routers.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Differentiate LINUX and UNIX.

Or

- (b) Explain how to add content to a slide and the four ways to view your presentation.

17. (a) What is Web surfing and the key terms of web surfing? Explain each part of an URL.

Or

- (b) How to use Adobe Reader/Writer?

18. (a) Explain the different types of data cables in detail.

Or

- (b) Write about straight through and cross over cable and when to use these cables.

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**C-7287**

**Sub. Code**

**97233**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Third Semester**

**Aviation**

**AVIATION WEATHER AND METEOROLOGY**

**(2019 onwards)**

Duration: 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Name all the continents of the World.
2. What is the significance of the Prime Meridian?
3. Define Wind Shear.
4. What is Wake Turbulence?
5. What is Cloud top?
6. What is Turbulent Mixing?
7. What is Diurnal Variation?
8. What is backing?
9. What is PIREP?
10. What are Prognostic Charts?



**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain in brief about the Stratosphere.

Or

- (b) Explain how the Coriolis effect differs in the northern and southern hemisphere.

12. (a) Explain in brief the formation of Rime ice.

Or

- (b) What is Wind shear? Explain how it would affect flight operations.

13. (a) Explain the variation of temperature with altitude.

Or

- (b) Explain in brief about Surface Air Temperature and Upper Air Temperature.

14. (a) Explain about Convective Ascent.

Or

- (b) Explain about High level Clouds.

15. (a) What are Upper Air Charts?

Or

- (b) What are Upper Air Observations?

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) What is Coriolis Effect? Explain in detail.

Or

(b) Explain in detail about

(i) Troposphere

(ii) Mesosphere

17. (a) Explain in detail about the Lifecycle of Thunderstorms.

Or

(b) Explain in detail about.

(i) Anabatic Wind

(ii) Katabatic Wind

18. (a) Explain in detail about TAF.

Or

(b) Explain in detail about.

(i) Convergence

(ii) Divergence.

**C-7288**

**Sub. Code**

**97234**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Third Semester**

**Aviation**

**FLIGHT SAFETY AND SUPPORT SYSTEMS**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is meant by mooring?
2. Explain about jacking of aircrafts.
3. What is an airport?
4. Explain about dispersal areas.
5. Explain about portable hydraulic test stands.
6. What is meant by air starter unit?
7. What are rigging checks?
8. What is duplicate inspection?
9. What is grabbing?
10. What is meant by dismantling inspection?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about marshalling of aircrafts

Or

(b) Explain about Mooring and jacking in detail.

12. (a) Explain about clear zone layout.

Or

(b) What is a tarmac and explain about taxiway and runways?

13. (a) Explain about pressure oil unit.

Or

(b) What is the use of hoisting cranes?

14. (a) What is the use of a throw board and protractor?

Or

(b) Explain about symmetry checks during aircraft rigging.

15. (a) Explain about maintenance that is carried out on wheels of aircrafts.

Or

(b) Explain about the inspection of rotables.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) How are aircrafts marshalled during day and night explain in detail?

Or

- (b) Explain about Aircraft Rescue and Fire Fighting in detail.

17. (a) What is meant by Angular alignment and symmetry checks in rigging of aircrafts?

Or

- (b) Explain in detail about the air starter unit and also about air conditioning and heating unit.

18. (a) Explain in detail about brakes and what is meant by excessive brake travel in aircrafts?

Or

- (b) Explain in detail about

(i) Dragging

(ii) Fading and also write about dismantling and inspection of aircraft wheels.

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**C-7289**

**Sub. Code**

**97235**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Third Semester**

**Aviation**

**YOGA FOR HUMAN EXCELLENCE**

**(2019 onwards)**

Duration: 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define Yoga.
2. What is meant by Thirumoolar Thirumandhiram?
3. List down the Paths of Yoga.
4. Define Dharama.
5. What is meant by yogic practices?
6. Define physical exercise.
7. Define Kriyas.
8. Define Bandhas.
9. Define Meditation.
10. What is Tamil Siddha Meditation?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Narrate the need and scope of yoga.

Or

- (b) Discuss about the aims and objectives of yoga.

12. (a) Brief explain about the Raja Yoga.

Or

- (b) Narrate - hatha yoga.

13. (a) Explain about the principles of Yogic practices

Or

- (b) Write in detail about the difference between the Yogasana and Physical Exercise.

14. (a) Write down the preparatory movements of doing suryanamaskar.

Or

- (b) Discuss about the methods and uses of Pranayama.

15. (a) Discuss about the different schools of Meditation.

Or

- (b) Narrate Transcendental meditation.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Brief explain about the messages from Bhagavat Gita, Bible and Kuran.

Or

- (b) Narrate the Eight limbs of Yoga.

17. (a) Write down the Importance of Yoga in Physical education and sports.

Or

- (b) Write in detail about the types of Mudras and Bandhas.

18. (a) Write in detail about the benefits and concept of meditation.

Or

- (b) Brief explain about the types of Yoga.

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**C-7290**

**Sub. Code**

**97242**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fourth Semester**

**Aviation**

**AIR NAVIGATION (GENERAL)**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Write about Latitude and Longitude.
2. What is Radio Navigation?
3. What is Drift Angle and Wind Correction Angle?
4. What is the difference between True North and Magnetic North?
5. Write about Flight Management System (FMS).
6. Expand the following:
  - (i) DME
  - (ii) VOR
  - (iii) INS
  - (iv) TCAS
7. What are Tropical Maps?
8. What is great circle track?

9. What is the difference between Local Mean Time and Coordinated Mean Time?
10. List the requirements of a good Pitot-Static System.

**Part B** (5 × 5 = 25)

Answer **all** questions.

11. (a) Write short notes on great circle course on a spherical earth.

Or

- (b) Write short notes on Emergency Locator Transmitter.

12. (a) Write short notes on different types Airspeed and their relationships.

Or

- (b) Briefly explain about Pilotage in terms of air navigation principle.

13. (a) Explain the operation of Inertial Navigation System.

Or

- (b) Explain about Dead Reckoning system.

14. (a) Write short notes on Convergence and Great Circle Track.

Or

- (b) Write short notes on Map reading and their importance in Navigation.

15. (a) Write short notes on Solar system

Or

(b) Define:

(i) Local Mean Time

(ii) Co-ordinated universal time

(iii) Standard Time

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) What is 1 in 60 Rule? Explain about their application in Navigation?

Or

(b) Explain briefly about GPS and its applications.

17. (a) Explain briefly about Bearing and Homing are understand in terms of Navigation?

Or

(b) Write short Notes on the following in terms of Conversion of Time:

(i) Standard Time

(ii) Map Reading

(iii) Planetary Objects

(iv) The Seasons

18. (a) Briefly explain about Flight Navigation System.

Or

(b) Explain Briefly about Inertial Sensors used for Navigation.

**C-7291**

**Sub. Code**

**97243**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fourth Semester**

**Aviation**

**AVIATION COMMUNICATION**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is Conditional Clearance?
2. What is RADAR?
3. What is ATS units?
4. How communication is useful in terms of Search and Rescue Operation?
5. Expand: (a) SATCOM (b) SELCAL
6. Why HF communication is used in long travel aircraft?
7. What is Altimeter and purpose?
8. What is Flight Plan?
9. What is the frequency of distress communication?
10. What is the purpose of Medical Transport?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write short notes on Communication on Morse Code and their application.

Or

- (b) Explain about Direction Finding using Radio Waves.

12. (a) Explain about Radar in Approach Control Service.

Or

- (b) Write short notes on Search and Rescue Operation

13. (a) How HF Communication is established using HF Transceiver with neat diagram.

Or

- (b) Explain in detail about the following:

- (i) SATCOM
- (ii) SELCAL
- (iii) Service Telephone

14. (a) Explain in detail about Altimeter region.

Or

- (b) Explain briefly about the Classification of Air Space and Air Routes.

15. (a) Explain in detail about the communication procedure carried out in ATC during Urgency

Or

- (b) What is Guard Receiver? How the Distress Communication is established during Emergencies.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain briefly about Radio Test Procedure and Transfer of communication read back.

Or

- (b) Explain in detail about general Operating Procedures and Techniques adopted in Aviation Communication.

17. (a) Explain about Radar in Approach Control Service.

Or

- (b) List out the various Communication Systems used in Aviation. Explain briefly any two Communication System used in Aircraft

18. (a) Explain in detail about Take-off Procedure in Aviation Communication.

Or

- (b) Explain in detail about Sources of Weather Information.

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**C-7292**

**Sub. Code**

**97244**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fourth Semester**

**Aviation**

**LOGISTICS AND AIR CARGO MANAGEMENT**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define Logistics.
2. Define Just in Time.
3. What is Out-bound Logistics?
4. What is Neutral Pricing Strategy?
5. Write any two merits of Global Supply Chain.
6. Define Quality.
7. Write any two functions of Airway Bill.
8. What is valuable Cargo?
9. Define Cargo.
10. Name any two Aircraft used only for handling Cargo?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the scope and an objectives of Logistics Management.

Or

- (b) Explain the role of channel members in Logistics.

12. (a) Explain the role of Purchasing in Logistics.

Or

- (b) Explain various types of Ware House.

13. (a) Explain Strategy formulation and implementation.

Or

- (b) Explain various Inventory Costs.

14. (a) Explain various functions of Airway Bill.

Or

- (b) State the concepts of Air Cargo.

15. (a) Explain Airport Cargo Activity.

Or

- (b) Explain the importance of Cargo Terminals in Airport.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Enumerate the various types of Air Cargo in detail.

Or

- (b) Discuss the importance of intermediaries in Air Cargo.



17. (a) Discuss the emerging trends in Air Cargo.

Or

(b) Explain a typical Air Cargo Organization.

18. (a) Explain various types of Inventory models in detail.

Or

(b) Explain how Logistics Performance is improved.

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**C-7293**

**Sub. Code**

**97251**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fifth Semester**

**Aviation**

**PUBLIC RELATIONSHIP IN THE AVIATION INDUSTRY**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define service.
2. What is marketing mix?
3. What is market positioning?
4. Define Quality.
5. What are the roles of media in business?
6. List out the importance of Electronic media.
7. What do you mean by tactics?
8. List out the four steps in Public relations process.
9. What is word of mouth communication?
10. Define empathy.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) What is Service? Explain its types.  
Or  
(b) Elaborate the 7 c's of service.
12. (a) Explain the role of hotel services in brief  
Or  
(b) What is Marketing strategy and why it is required in business?
13. (a) What are the challenges that are faced in public relation?  
Or  
(b) Role of Media handling is mandatory-Justify.
14. (a) List out PR problems with suitable examples.  
Or  
(b) Write in brief about the importance of Promotion in Business.
15. (a) What are the modes of services used in transport?  
Or  
(b) Explain the role of Relationship Marketing?

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Define Marketing mix? Explain about 7P's of Marketing?  
Or  
(b) Write in detail about Promotional tools that are required in Business.

17. (a) What is Customer service? Explain the importance, features and scope of Customer service in Business

Or

(b) Explain the issues in air operators and airport operators.

18. (a) Elaborate how to overcome crisis Management in detail with suitable examples.

Or

(b) Explain the elements and evaluation of Public relation process.

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**C-7294**

**Sub. Code**

**97252**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fifth Semester**

**Aviation**

**AIRCRAFT SYSTEMS AND INSTRUMENTS**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What are the advantages of pneumatic system over hydraulic systems?
2. What are the different types of shock absorbers used in landing gears?
3. What are the flight control surfaces?
4. What is the function of push pull rod system?
5. What is vapour lock and list down its causes?
6. Differentiate oil system of piston engines from jet engine.
7. What is the function of cabin air pressure safety valve?
8. List out the different Fire detection techniques used in aircraft fire protection system.
9. State the fundamental properties of a gyroscope.
10. Define Mach number.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain with neat sketch, about basic hydraulic system.

Or

- (b) Classify the Landing gear system of Aircraft.

12. (a) Explain in detail the working principle of power assisted control systems with neat sketch.

Or

- (b) Explain with neat sketch the mechanical flight control system used in early airplanes.

13. (a) Briefly explain the function of carburetor in reciprocating engine.

Or

- (b) What are the essential properties of lubricating oils? Explain in detail.

14. (a) What is the need for cabin air pressurization? Explain a typical air pressurization system with pressurization controller.

Or

- (b) Write short notes on de-icing and anti-icing system and their classification.

15. (a) Explain the operation of Pitot-static system with neat sketches:

Or

- (b) Write short notes on pressure sensing elements.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) With neat sketch explain the operation of different types of power pumps in detail.

Or

- (b) Explain in detail the operation of FBW and discuss its advantages.

17. (a) With the help of block diagram explain the autopilot system of a modern airplane.

Or

- (b) With neat sketch discuss in detail about dry sump lubricating system of a typical piston engine.

18. (a) Explain the construction and operation of Altimeter.

Or

- (b) Explain the purpose and operation of Mach meter.

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**C-7295**

**Sub. Code**

**97253**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fifth Semester**

**Aviation**

**AVIATION SECURITY AND SAFETY**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is the role of the FAA?
2. What is CAA?
3. What is sterile area at the airport?
4. What is baggage hold?
5. What is frisking at airport?
6. Why a fence is useful at the airport?
7. Explain security screening.
8. List out the security screening checkpoints at the airport.
9. List out the types of airport emergencies.
10. When was the last plane hijacked in the world?



**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write a short note on CISF.

Or

- (b) Write a short note on ministry of civil aviation.

12. (a) Explain the ways to transport a person with special disabilities.

Or

- (b) Explain the methods to tackle In-flight threats.

13. (a) List out the specifications of hand held metal detectors.

Or

- (b) Explain the new methods to detect the explosives.

14. (a) Write a short note on airport baggage inspection system.

Or

- (b) Explain security threats to air cargo.

15. (a) Write down the guidelines for hijacking situation management.

Or

- (b) Write a short note on airport metal detectors.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write down the roles of BCAS and BDDS.

Or

- (b) Write down the importance of aviation security and explain the aviation security organization structure chart.

17. (a) Explain in detail flight catering security.

Or

- (b) Explain the characteristics of bomb threats and the plans to handle bomb threats.

18. (a) Write down the conditions and categories of weapons authorized to be transported on flights.

Or

- (b) Explain escorting consignment and the conditions to transport a prisoner abroad.

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