

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

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 பெற்றமைக்கான 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,
APRIL2022

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-5976

Sub. Code

97214

B.Sc. DEGREE EXAMINATION, APRIL 2022

First Semester

Aviation

AIRPORT OPERATIONS

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is Ramp?
2. Define Solstice.
3. What are the Types of Customer?
4. What is a Heliport?
5. Define Aviation.
6. What are the Types of Runway?
7. What is open Sky Policy?
8. Define: Customer service.
9. What is an Itinerary?
10. What is a Taxiway?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write short notes on Principles of aviation.

Or

- (b) Explain – Aircraft Load Planning.

12. (a) Explain the types of Airport.

Or

- (b) Write short notes on Airport Structure.

13. (a) Write short notes on Open Sky Policy.

Or

- (b) Explain the steps in planning itineraries.

14. (a) Write short notes on Air Traffic Service.

Or

- (b) Write short notes on Ground support equipment.

15. (a) Explain the handling of Travel documents.

Or

- (b) Write short notes on Aviation history.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the Time Zones and Elapsed Transportation time.

Or

- (b) Briefly explain about the Conventions.

17. (a) Briefly explain — Airport Markings with neat diagram.

Or

(b) Briefly explain - Airport Lightings with neat diagram.

18. (a) Briefly explain about Aircraft Load Planning and Weight and Balance.

Or

(b) Narrate the Impact of Aviation in World war.

C-5978

Sub. Code

97223

B.Sc. DEGREE EXAMINATION, APRIL 2022

Second Semester

Aviation

AIR REGULATIONS

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is Open Sky Policy?
2. Expand the following:
 - (a) DGCA
 - (b) ICAO
 - (c) IATA
 - (d) FAA
3. What are the objectives of ATS?
4. Write few contents of Clearances.
5. What is the difference between an incident and accident?
6. Write about Indian aircraft rule 2003.
7. What is Human Overload and under load?
8. What do you understand about Stress Management?

9. Name four navigational equipment used in an aircraft.
10. List out few safety equipment necessary for operational requirement in aviation.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What is Bi-lateral and Multi-lateral agreement? Explain in detail.

Or

- (b) Write down the functions of DGCA.

12. (a) Write short notes on Controlled and Uncontrolled Airport.

Or

- (b) Explain in detail about the specification of Flight Information Region.

13. (a) Write short notes on Indian Aircraft Rules 1954.

Or

- (b) Explain in detail about Committee of Inquiry, in connection with Aircraft accidents.

14. (a) Write short notes on

- (i) Decision Making
- (ii) Avoiding and Managing Errors

Or

- (b) Write briefly about Cockpit Management.

15. (a) Explain about Safety equipment requirements in aerodrome.

Or

- (b) Explain briefly Operator certification requirement in accordance with operational procedure.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the classification of ATS Air.

Or

- (b) Describe the various kinds of separation with provision of Area Control Service.

17. (a) Explain the contents of position reports and ATC clearance.

Or

- (b) What are the duties, responsibilities and checks to be carried out in case of transporting dangerous goods by aircraft by the operator?

18. (a) Discuss in detail about All Weather Operations Requirements.

Or

- (b) Explain in detail about Communication and Navigation Equipment requirements.

C-5979

Sub. Code

97224

B.Sc. DEGREE EXAMINATION, APRIL 2022

Second Semester

Aviation

AIRCRAFT AND ENGINE (GENERAL)

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is Ornithopter? Who invented it?
2. What is the difference between bi planes and mono planes?
3. Define Newton's laws of motion.
4. Name the six basic instruments used in aircraft.
5. What are the four forces acting on an aircraft?
6. Define Aerofoil.
7. Name four types of engines used in an aircraft.
8. What are the different types of fuels used in rocket propulsion?
9. Why is titanium suitable as airframe material for supersonic aircraft?
10. Define Hook's Law.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the advantages and disadvantages of monoplanes compared to biplanes?

Or

- (b) Explain why swept back wing concept has been developed.

12. (a) Enumerate the basic instruments used for flying and explain their purposes.

Or

- (b) Describe the major components of an aeroplane with a neat sketch and explain their functions.

13. (a) Explain the forces acting on an aircraft. Briefly explain it.

Or

- (b) Discuss the temperature variation with altitude of standard atmosphere and classify the atmospheric layers.

14. (a) Thrust produced by an aircraft engine is best explained by Newton's third law of motion. True/False? Justify your answer.

Or

- (b) Write the merits and demerits of a Jet engine over a piston engine.

15. (a) Explain how aero plane wings are constructed and indicate the choice of materials for the main components.

Or

- (b) Explain the application of semi-monocoque constructions for aircraft structures.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Briefly explain the parts of aircraft and their applications.

Or

- (b) Draw the three views of a small light aircraft.

17. (a) Explain briefly about the principle operation of rocket and types of rockets.

Or

- (b) What are the applications of a turbojet engine? How does thrust vary with altitude and flight velocity for turbojet?

18. (a) Write short notes on:

- (i) Wing constructions
- (ii) Composite materials and its merits

Or

- (b) Explain the types of different fuselage constructions with neat sketches.
-

C-5980

Sub. Code

97232

B.Sc. DEGREE EXAMINATION, APRIL 2022

Third Semester

Aviation

COMPUTER APPLICATIONS

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Mention the components of Computer.
2. What is the main difference between Linux and Unix OS?
3. How will you find and replace a text in MS-WORD?
4. Write down the benefits of E-mail.
5. What are the building blocks of Multimedia?
6. Differentiate between Adobe Reader and Writer.
7. What is called primary memory?
8. Write the names of any four output devices.
9. What is the difference between WAN and MAN topology?
10. What is the use of bridge in computer networks?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the structure of DOS.

Or

- (b) List and explain any five commands in UNIX.

12. (a) Explain the steps to insert bullets and numbers in a Word document.

Or

- (b) Explain the various layouts in PowerPoint presentation.

13. (a) Discuss the features of photoshop.

Or

- (b) How will you paint pictures in coreldraw? Explain.

14. (a) Differentiate between straight through and cross over cable.

Or

- (b) Explain the steps in BIOS configuration.

15. (a) Explain the ring topology in networking.

Or

- (b) Write short notes on TCP/IP.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the architecture of the computer system.

Or

- (b) Explain the steps to create letters merged with data in MS-Word.

17. (a) Explain the functions of Adobe reader.

Or

- (b) Discuss on:

(i) RAM

(ii) ROM

(iii) PROM

(iv) EPROM

(v) EEPROM

18. (a) Explain various transmission media and methods of communication.

Or

- (b) Explain the steps to create a simple LAN with 2 PCs.

C-5981

Sub. Code

97233

B.Sc. DEGREE EXAMINATION, APRIL 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. What is Geography?
2. What is Longitude?
3. What is Turbulence?
4. What is Super Cooled Large Droplets?
5. What is Altimetry?
6. What is an Isothermal Layer?
7. What is Backing?
8. What is Cloud Base?
9. What is TAF?
10. What is SIGMET?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about the Troposphere.

Or

- (b) Explain about the Stratosphere.

12. (a) What is Microburst? What are the effects of Microburst?

Or

- (b) What is Rime ice? Explain the formation of Rime Ice on the Aircraft.

13. (a) Explain the variation of Density with Altitude with the help of a diagram.

Or

- (b) Explain about the different instruments used to Measure Temperature.

14. (a) Explain about the various types of High-Level Clouds.

Or

- (b) Explain about Jet Streams.

15. (a) Explain about Surface Aviation Weather Observation.

Or

- (b) What is Satellite Meteorology?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about Coriolis Effect.

Or

(b) Explain about Mesosphere and Thermosphere.

17. (a) Explain the Lifecycle of Thunderstorms.

Or

(b) Explain about the variation of Temperature with Altitude.

18. (a) Explain about Sea Breeze and Land Breeze.

Or

(b) What is a PIREP? Explain about it in detail.

C-5982

Sub. Code

97234

B.Sc. DEGREE EXAMINATION, APRIL 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 Hoisting?
2. What is Towing?
3. What is a Runway?
4. Explain about Fire Fighting as a safety measure for Aircrafts.
5. What are Compressors?
6. What are Electrical Power Supply Equipment?
7. What is angular alignment in Rigging?
8. Explain about symmetrical checks in Rigging of Aircrafts?
9. What is Grabbing and Dragging?
10. What is a shock strut in a Landing Gear?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write notes on Aircraft Cleaning.
Or
(b) Explain about Mooring of Aircrafts.
12. (a) Write short notes on the handling and maintenance of Ground Service Equipment.
Or
(b) Explain about Airfield Lighting Systems.
13. (a) Describe about ground support Air Start Unit.
Or
(b) Describe about Pressure Oil Unit.
14. (a) Explain the use of Tensiometers and Protractors.
Or
(b) Describe about duplicate inspection in Rigging.
15. (a) What are the maintenance carried out on Aircraft Wheels?
Or
(b) Describe about bleeding in Shock Struts.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain about Aircraft Jacking in detail.
Or
(b) Describe about the Ground Signaling process done during different times of day.

17. (a) Explain in detail about the safety procedures followed at Airports. What are dispersal areas?

Or

- (b) Write detailed notes on:
- (i) Compressors
 - (ii) Portable Hydraulic Test Stands.
 - (iii) Electrical Power Supply Units.
 - (iv) Charging Trolley.
18. (a) Explain about maintenance of Landing Gears in detail.

Or

- (b) Explain about Excessive Brake Pedal Travel in detail.

C-5983

Sub. Code

97235

B.Sc. DEGREE EXAMINATION, APRIL 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. Who is the founder of yoga?
2. Write any two aim of yoga.
3. Define Bhakthi yoga.
4. What is yama?
5. Write any two benefits of surya namaskar.
6. What is chin mudra?
7. Write any two names of supine Asanas.
8. What is puraka?
9. Write few lines about vipasana meditation.
10. Write any two names of balancing Asanas.

Part B

(5 × 5 = 25)

Answer **all** questions.

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

Or

(b) Describe yoga with Bible and Quran.

12. (a) Explain Bhakthi yoga.

Or

(b) Explain the importance and benefits of yoga.

13. (a) Describe the principles of yogic practices.

Or

(b) Explain the application of yoga in physical Education ?

14. (a) Describe the benefits of physical exercise.

Or

(b) Explain the classification of Asanas.

15. (a) Describe schools of meditation.

Or

(b) Explain Vedathiri Maharishi meditation.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the aim and objectives of yoga.

Or

(b) Describe Eight limbs of yoga in brief.

17. (a) Explain the methods of teaching in yogic techniques.

Or

(b) What is mudra? Explain the technique of chin mudra and chinmaya mudra.

18. (a) Explain the concept and benefit of meditation.

Or

(b) What is Bhanda? Explain jalendra Bandha.

C-5984

Sub. Code

97242

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Fourth Semester

Aviation

AIR NAVIGATION (GENERAL)

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Airspace.
2. What is operating frequency of ELT?
3. Write about drift angle.
4. Write True course?
5. What is FMS?
6. Expand the following :
 - (a) GPS
 - (b) GNSS
 - (c) NDB
 - (d) ACAS

7. Write about Tropical Maps.
8. Write about General chart properties
9. What is the difference between local mean time and coordinated mean time?
10. What are the planetary objects?

Part B

(5 × 5 = 25)

Answer **all** questions.

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

Or

- (b) Write a short note on check and maintenance of Emergency Locator Transmitter (ELT).
12. (a) Briefly explain about Pilotage in terms of air navigation principle.

Or

- (b) How the bearing and homing are understand in terms of navigation?
13. (a) Explain in detail about the operation of VOR (Very High Omni Range).

Or

- (b) Write short notes on Transponder system used in aircraft.

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

Or

- (b) Explain in detail about Map reading with suitable examples.

15. (a) Write short notes on Zone time and Local Time.

Or

- (b) Write short notes on Solar system.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) (i) What are different types of air speed?
(ii) Explain in detail about each one of them and their relationship.

Or

- (b) Briefly explain about Flight Navigation System.

17. (a) Write briefly about the operation of LORAN-C navigation and its uses.

Or

- (b) (i) Explain briefly about Flight Management System (FMS).
(ii) Write short notes on Automatic Direction Finder (ADF).

18. (a) Write short notes on the following in terms of conversion of Time :
- (i) Standard Time
 - (ii) Map Reading
 - (iii) Planetary Objects
 - (iv) The seasons

Or

- (b) Explain about General Chart properties with suitable examples in aircraft navigation.
-

C-5985

Sub. Code

97243

B.Sc. DEGREE EXAMINATION, APRIL 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 Call sign? Who assign this?
2. What is direction finding?
3. Write about Approach Control Services.
4. What is the frequency band of HF, VHF, UHF and EHF?
5. Write about transceiver.
6. What is UNICOM?
7. What is Trans Border Flights?
8. How Radio test is carried-out?
9. What are the sources of Weather Information?
10. Write about Medical Emergencies.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about General operating procedure of communication system.

Or

- (b) Write short notes on Conditional Clearances.

12. (a) Explain about the position report in communication system.

Or

- (b) Explain about Search and Rescue operation carried out by aircraft.

13. (a) Write short notes on Frequency spectrum of radio communication and the frequency band.

Or

- (b) Write short notes on SELCAL.

14. (a) Explain in detail about Flight Plan.

Or

- (b) Write short notes on ATC communication during aircraft take off.

15. (a) Explain the communication procedure when an aircraft is lost from ATC control.

Or

- (b) Write short notes on Communication failure in aircraft.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write short notes on :

- (i) Call Sign
- (ii) Direction Finding

Or

(b) Explain about the general operating procedures of Radar.

17. (a) Explain briefly about HF transceivers with neat diagram.

Or

(b) Explain about SATCOM with neat diagram.

18. (a) What is distress signal? How is it handled in Aviation?

Or

(b) Briefly explain about weather information in airports.

C-5986

Sub. Code

97244

B.Sc. DEGREE EXAMINATION, APRIL 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 JIT.
2. What is MRP and DRP?
3. What is primary packaging?
4. Define ware house.
5. Define TQM.
6. What is speculative purchasing?
7. What is valuable cargo?
8. What do you mean by airway bill?
9. Define cargo zone.
10. Name any two cargo carries in India.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the components of logistics.

Or

- (b) Explain the elements of logistics management.

12. (a) Explain the role of warehousing in logistics.

Or

- (b) Explain transportation management system.

13. (a) Write a short note on 'Global supply chain'.

Or

- (b) Explain the importance of TQM in airports.

14. (a) Explain various types of air cargo with examples.

Or

- (b) Explain the importance of valuation charges in Air Cargo.

15. (a) Elucidate the types of boxes and containers used in Cargo carriers.

Or

- (b) Discuss the steps involved in Airport Cargo activity.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) What is integrated logistics? Are we prepared for the same? Justify.

Or

- (b) Compare and contrast the multimodal transport with examples.

17. (a) What are the designs of packaging and its benefits?

Or

(b) Explain the freight structure and practice in air cargo domestic and international.

18. (a) Discuss how information technology is helpful in storing, retrieving and shipping materials and products in a ware house.

Or

(b) Explain the marketing by 3PL and 4PL services.

C-5987

Sub. Code

97251

B.Sc. DEGREE EXAMINATION, APRIL 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 Inseparability.
2. What do you mean by Marketing Plan?
3. What is In-bound Tourism?
4. Define Service.
5. Give examples of electronic media in Airport.
6. What is differentiation in Airline Industry?
7. What is Preparedness?
8. Define Communication.
9. What is Empathy?
10. Define Media Relations.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the types and the importance of Services.

Or

- (b) Describe the procedure for developing an overall Marketing Plan.

12. (a) Discuss the various forms and categories of Travel.

Or

- (b) What are the basic assumptions regarding Travel Services?

13. (a) Explain the issues in Public relations.

Or

- (b) What are the requisites of a good public relation professional?

14. (a) Explain four steps in Public Relations Process.

Or

- (b) Discuss the various aspects of Crisis Management.

15. (a) What are the various types of Public Relations Models?

Or

- (b) Discuss the alternatives of Public Relations.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the nature of service marketing. Also discuss the contents of a Marketing Plan.

Or

- (b) What are the various dimensions of Service Quality? Discuss each of them in detail.

17. (a) Discuss the role of Public Relations in Aviation Industry.

Or

- (b) Explain the seven step Crisis Management formulae.

18. (a) Explain the various elements of good Public Relations.

Or

- (b) Discuss the importance of Airport Operators in Airport.

C-5988

Sub. Code

97252

B.Sc. DEGREE EXAMINATION, APRIL 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 and disadvantages of Hydraulic Systems?
2. Write down the classifications of Airbrakes?
3. Define Flight Control System. List out the different Flight Control Systems in a large airplane.
4. Explain briefly the functioning of Primary and Secondary Control Surfaces.
5. Enumerate the advantages and disadvantages of Jet Engines?
6. Explain briefly about various types of Fuel Tanks of an Aircraft?
7. What are the different types of Fire Extinguishing Agents used in Aircrafts?
8. What are the disadvantages of Formation of Ice on Aircraft?

9. Write a short note on Tachometer.
10. List out the requirements of a good Pitot-Static System.

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the different types of Power Pumps used in Aircraft.

Or

- (b) Discuss briefly the classification of Landing Gears.

12. (a) What are the function of Push Pull and Flexible Push Pull Rod Systems?

Or

- (b) Discuss briefly various types of Trim Tabs used in Aircrafts.

13. (a) Explain with neat sketches the principle and working of High Tension Magneto Ignition System used in Aircraft Power Plants.

Or

- (b) Classify the different types of Inertial Starters used in Reciprocating Engine Starting System. Explain the principle and working of any two.

14. (a) Discuss Anti-Icing methods and Deicing used in A/C Systems?

Or

- (b) Write short notes on Fire Detection System.

15. (a) Write short notes on Pitot Static System.

Or

- (b) Write short notes on Temperature Gauges.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) With block diagram describe the operation of a typical Hydraulic System.

Or

- (b) Explain the principle and operation of Autopilot System with neat sketches.

17. (a) Explain the Fuel System for Twin Engine Airplane.

Or

- (b) Explain the Fire Protection Techniques used in Airplane.

18. (a) (i) What are the different parts of an airplane which are prone to Ice Formation. (3)
(ii) Explain the Pneumatic Deicing System. (7)

Or

- (b) Explain the working principle of following Instruments :
(i) Air Speed Indicator.
(ii) Mach Meter.
-

C-5989

Sub. Code

97253

B.Sc. DEGREE EXAMINATION, APRIL 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. Expand BCAS, FAA and BDDS.
2. What is the organizational structure of Indian Aviation Security?
3. Who are Special Passengers?
4. What is Hold Baggage?
5. Explain about Frisking.
6. What are the security measures taken during Boarding?
7. What is Cargo Screening?
8. What are the different screening processes involved for Check-in Baggage?
9. What is a Bomb Threat?
10. What are the types of Airport Emergencies?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What is Aviation Security? Write short notes on its functions and its structure.

Or

- (b) What is the difference of security measures followed by FAA and Ministry of Civil Aviation?

12. (a) Explain about Bomb Threat Analysis.

Or

- (b) What are the security measures for Air Cargo? Explain.

13. (a) Explain about IED and IBD in detail.

Or

- (b) What are Airport Metal Detectors? Explain.

14. (a) Explain about Prisoner Handling.

Or

- (b) What are the Equipment used for Security Checks? Explain.

15. (a) Explain about Bomb Threat Contingency Plans.

Or

- (b) Write notes on :

(i) Hijacking.

(ii) Counter Measures for bomb incidents at Airports.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) What is the role of CISF in Indian Aviation? Explain.

Or

- (b) Explain about the Aviation Security. Write detailed notes on its structure and functions in India.

17. (a) Explain about the different explosive devices which act as threats at Airports.

Or

- (b) Explain about how Special Passengers are handled.

18. (a) Explain about the Bomb Threat Assessment Committee and its functions in case of a Bomb Threat.

Or

- (b) Explain about Weapon and Prisoner Handling procedures at Airports before boarding.
-

C-5990

Sub. Code

97254

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Fifth Semester

Aviation

RADIO AIDS AND INSTRUMENTS

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Wavelength
2. Define Frequency
3. What are Sky Waves?
4. What are Ground Waves?
5. What is HF?
6. Expand UHF and SSR.
7. What are Marker Beacons?
8. What is Localizer?
9. What is RADAR?
10. Expand PAR.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about general Properties of Radio Waves.

Or

- (b) Explain about Polarization.

12. (a) Explain about Attenuation of Radio Waves in the Ionosphere.

Or

- (b) Explain Multi-Hop Refraction.

13. (a) Explain about LF Radio Waves and their Characteristics.

Or

- (b) Explain about VHF Radio Waves and their Characteristics.

14. (a) Explain the working of MLS System.

Or

- (b) Explain the working of DME System.

15. (a) What is Primary Radar? Explain in detail about it.

Or

- (b) What is Airborne Weather Radar?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about Frequency Modulation.

Or

(b) Explain in detail about Amplitude Modulation.

17. (a) Explain about the factors affecting Range of Communication?

Or

(b) Explain the operating principle of VOR.

18. (a) Explain the working of Radio Altimeters in detail.

Or

(b) Explain in detail about DME.

C-5991

Sub. Code

97255

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Fifth Semester

Aviation

TOTAL QUALITY MANAGEMENT

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Mention the four pillars of TQM.
2. What is TQM Triangle?
3. List the 5 elements of 5 'S'.
4. What is Kaizen?
5. What is Six Sigma?
6. What is Benchmarking?
7. What are the eight pillars of TPM?
8. What is QFD?
9. What are objectives of ISO 9000 Quality Standards?
10. Draw the Documentation Pyramid.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the dimensions of Quality.

Or

- (b) Explain TQM Framework and importance of each element with case study.

12. (a) Write a note on Quality Planning.

Or

- (b) What are the various avenues of measuring Customer Satisfaction? Give examples.

13. (a) Explain new seven TQM Tools.

Or

- (b) Explain about stages of FMEA.

14. (a) Briefly explain the steps involved in QFD.

Or

- (b) Explain the types and the analysis techniques of Cost of Quality.

15. (a) Explain the features and procedures to obtain ISO 14000 Environmental Certification.

Or

- (b) Explain the need, importance and evolution of ISO Standards.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) State and explain the barriers to TQM implementation in an Organization.

Or

- (b) Define Deming Philosophy and 14 points for improvement of Quality Management.

17. (a) Explain Bench Marking and its steps with an example.

Or

- (b) Explain in detail check sheets, Pareto Chart, and Cause and Effect Diagram.

18. (a) Explain each section of the basic structures of house of quality by selecting a suitable Product.

Or

- (b) Explain the EMS and its major elements? Discuss the provisions of ISO 14000 in detail.

C-5992

Sub. Code

97261

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Sixth Semester

Aviation

FLIGHT OPERATION

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are flight crew standards?
2. Explain about flight dispatching.
3. Explain about consecutive night flying.
4. What is overfly permission?
5. Give some specifications of airbus a320.
6. What is the length and wingspan of B737-800?
7. What is AIP?
8. Explain about FBO.
9. What is RNAV?
10. What are flight plan exercises?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the Aircraft Operational Procedures followed in Indian Civil Aviation?

Or

- (b) What are Flight Crew Standards followed by the DGCA?

12. (a) Explain about Landing Permissions.

Or

- (b) Explain about Revenue and Yield Management.

13. (a) Explain about Operational Limitations.

Or

- (b) Explain about the Specifications of ATR.

14. (a) Explain about Fuel Plan and its calculations.

Or

- (b) What is Crew Briefing and Flight Release Sheets?

15. (a) What are alternate code Flight Paths?

Or

- (b) Explain about methods of Flight Planning.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain about the role and functions of a Flight Dispatcher in detail.

Or

- (b) Explain about Crew Scheduling in detail.

17. (a) Give the specifications of :

- (i) Airbus A320
- (ii) Cessna type of Aircrafts.

Or

- (b) Explain about Consecutive Night Flying and what are the permissions needed for over fly in detail.

18. (a) Explain about Flight Plan exercises using performance data.

Or

- (b) What is NOTAM? Explain in detail.
-

C-5993

Sub. Code

97262

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Sixth Semester

Aviation

PRINCIPLES OF ROTORCRAFT

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Helicopter.
2. What are the major components of Helicopter?
3. What is Hovering?
4. What is Blade Stall?
5. What is the purpose of Dampers used in Helicopter Blade?
6. Define Range and Endurance.
7. What is meant by Helicopter Stability?
8. What is control response of Helicopter?
9. What are the factors affecting Weight of a Helicopter?
10. How the frequency of vibrations are rated in Helicopter?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about the Tail Rotor System of Helicopter.

Or

- (b) Explain about the major components of Helicopter.

12. (a) Explain about Aerofoil characteristics in forward flight with neat diagram.

Or

- (b) Explain about power losses due to Blade Stall.

13. (a) Explain about Helicopter (AFCS) modes and the features.

Or

- (b) Explain about state of Autorotation of Helicopter in Still Air.

14. (a) Explain how the Helicopter Stability changes with variation in speed.

Or

- (b) Explain about the static stability of Helicopter in Hovering.

15. (a) Explain the factor affecting Weight and Cost.

Or

- (b) Explain in detail about the Dynamic Model of Rotor.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain about advantages and disadvantages of different configuration of Helicopter.

Or

- (b) Explain about various Rotor Systems of Helicopter.

17. (a) Explain about Parasite Drag induced in Helicopter and the effect on Helicopter in terms of Power.

Or

- (b) Explain about the Maximum Lift of Helicopter with neat diagram.

18. (a) Explain briefly about Flight Director system.

Or

- (b) Explain the concept of Rotor Control with respect to Stability.
-

C-5994

Sub. Code

97263

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Sixth Semester

Aviation

PERSONALITY DEVELOPMENT

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Listening.
2. Define Communication.
3. What is Personal Goal Setting?
4. Define Empathy.
5. What is Leadership?
6. Define Management Skill.
7. What is Effective Preparation?
8. List out any five roll of Cabin Crew.
9. What is Personal Appearance?
10. Define Soft Skills.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the barriers of Communication.

Or

- (b) Explain Positive Outlook.

12. (a) Explain methods of Measuring Emotional Competency.

Or

- (b) Explain seven steps to success at an Interview. List out any few basic methods Improving Creativity.

13. (a) Explain how to improve your Management Skills.

Or

- (b) What is time management and importance of Time Management?

14. (a) What is thankyou letter and importance of Thankyou Letter?

Or

- (b) Explain the three steps for Effective Follow-Up.

15. (a) Explain in detail about Group Discussion.

Or

- (b) What is grooming and importance of Grooming?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) What is Communication Skill? Explain briefly, how to improve your Communication Skill.

Or

- (b) Explain the stages of Listening Process.

17. (a) Explain ten blocks affects Creativity.

Or

- (b) Explain seven steps to success at an Interview.

18. (a) What is mock interview and benefits of Mock Interview?

Or

- (b) Explain seven rules of Motivation.
-

C-5666

Sub. Code

**17/18/19/24/25
/26/27/28**

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

First Year/ Second Semester

ENVIRONMENTAL STUDIES

(2016 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Nature.
2. Name any two non - renewable energy resources.
3. What is conflicts?
4. Define overgrazing.
5. Write a note on sustainable life style.
6. What is Mega Diversity?
7. Define Hot spot.
8. What is Eutrophication'?
9. Make a note on noise pollution.
10. What is pollution?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Give an account on the importance of environmental studies.

Or

- (b) How do you make public awareness on environmental issues? Explain.

12. (a) Write about the future problems upon over utilization of ground water.

Or

- (b) How the modern agriculture practices affects the quality of food resources? Explain.

13. (a) Give a detailed account on the problems in using fertilizer and pesticides on environment.

Or

- (b) Write a note on the concepts of ecosystem.

14. (a) Explain the energy flow in a forest ecosystem.

Or

- (b) Briefly explain the value of Biodiversity.

15. (a) What are the major threats to the Biodiversity? Explain.

Or

- (b) How do you document an environmental issue during the field visit? Explain.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Give an account on utilization of renewable and non renewable energy resources.

Or

- (b) Discuss on the use of alternate energy resources for the future of the nation.

17. (a) Describe the in-situ and ex-situ method of Conservation of biodiversity.

Or

- (b) Give a detailed account on the status of Biodiversity at National and Global levels.

18. (a) Explain the control measures of Water pollution.

Or

- (b) Write in detail about hazards of radiation raised from Nuclear wastes.

C-5664

Sub. Code

**16/17/23/25/
26/27/29**

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

First/Second Semester

ENVIRONMENTAL STUDIES

(2019/2020 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. ZSI.
2. WII.
3. What is renewable energy?
4. Food web.
5. Pyramid of numbers in aquatic ecosystem.
6. Red data book.
7. List out any five Endemic species of India.
8. List out marine pollutants.
9. *Ex Situ* Conservation.
10. Enlist Option Values of Biodiversity.

Part B

(5 × 5 = 25)

Answer **all** the questions.

11. (a) Write notes on definition, scope and importance of environmental studies.

Or

- (b) Write notes on soil erosion and desertification.

12. (a) Write notes on energy flow in the ecosystem.

Or

- (b) Write notes on threads to biodiversity.

13. (a) Write notes on Biodiversity at Global, National and Local levels.

Or

- (b) Write notes on various strategies of conservation of Biodiversity.

14. (a) Write notes on ecological pyramids.

Or

- (b) Write notes on air pollution.

15. (a) Write notes on noise pollution.

Or

- (b) Write notes on effects and control measures of nuclear hazards.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write an essay on the multidisciplinary nature of Environmental Studies.

Or

- (b) Write an essay on the following resources with special emphasis to how they are overexploited/utilized which in turn damage the environment, (i) Forest Resources and (ii) Food Resources.

17. (a) Write an essay on “India is a mega-diversity nation”.

Or

- (b) Write an essay on Biodiversity and their values.

18. (a) Write an essay on causes, effects and control measures of (i) Marine Pollution and (ii) Water Pollution.

Or

- (b) Write an essay on concept, structure and function of ecosystem.