



36202

**II Semester B.Sc./G.M.T./B.C.A. Degree Examination,
September/October 2020**

ಬೇಸಿಕ್ ಕನ್ನಡ

**Paper II – ವಚನ ಕೀರ್ತನೆಗಳ ಸಂಗ್ರಹ ಮತ್ತು ಕನ್ನಡ ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಸಂವಹನ
(New – CBCS)**

Time : 3 Hours

Max. Marks : 70

ಭಾಷೆ ಹಾಗೂ ಬರಹದ ಶುದ್ಧಿಗೆ ಗಮನ ಕೊಡಲಾಗುವುದು.

1. (a) ಬಸವಣ್ಣನವರ ವಚನಗಳಲ್ಲಿ ಮೂಡಿಬಂದ ಸಮಾನತೆ ಹಾಗೂ ಮೂಢಾಚಾರದ ನಿರಾಕರಣೆಗಳನ್ನು ವಿವರಿಸಿ.
ಅಥವಾ
(b) ಆದಯ್ಯನ ವಚನಗಳ ಮಹತ್ವವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ. (10)
2. (a) ಪುರಂದರದಾಸರ ಕೀರ್ತನೆಗಳಲ್ಲಿ ಅಡಕಗೊಂಡಿರುವ ದೈವ ಶ್ರದ್ಧೆ ಹಾಗೂ ಅಂತರಂಗದ ತೋಧವನ್ನು ವಿವರಿಸಿ.
ಅಥವಾ
(b) ಶ್ರೀರಾಮದಾಸರ ಕೀರ್ತನೆಗಳ ಮುಖ್ಯಾಂಶಗಳನ್ನು ಬರೆಯಿರಿ. (10)
3. (a) ವರ್ಣಮಾಲೆಯ ಸ್ವರೂಪವನ್ನು ವಿವರಿಸಿ.
ಅಥವಾ
(b) ಕನ್ನಡ ಭಾಷೆಯ ಹುಟ್ಟು ಮತ್ತು ಬೆಳವಣಿಗೆಗಳನ್ನು ವಿವರಿಸಿ. (10)
4. (a) ಪತ್ರ ಲೇಖನದ ಮಹತ್ವ ಮತ್ತು ಅದರ ಪ್ರಕಾರಗಳನ್ನು ಬರೆಯಿರಿ.
ಅಥವಾ
(b) ವಿಜ್ಞಾನದ ಉಗಮ, ವಿಕಾಸ ಹಾಗೂ ಕೆಲವು ವೈಜ್ಞಾನಿಕ ತೋಧಗಳನ್ನು ವಿವರಿಸಿ. (10)

ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ :

5. (a) ಜೇಡರ ದಾಸಿಮಯ್ಯನ ಯಾವುದೇ ಎರಡು ವಚನಗಳನ್ನು ವಿಮರ್ಶಿಸಿ.
ಅಥವಾ
(b) ಕನಕದಾಸರ ಒಂದು ಕೀರ್ತನೆಯ ಭಾವ ಸೌಂದರ್ಯವನ್ನು ಬರೆಯಿರಿ. (5)
6. (a) ಪತ್ರ ಲೇಖನದ ಚಿಹ್ನೆಗಳು ಹಾಗೂ ಅವುಗಳ ಮಹತ್ವವನ್ನು ಬರೆಯಿರಿ.
ಅಥವಾ
(b) ಭಾಷಣ ಕಲೆಯ ಸ್ವರೂಪ ಮತ್ತು ಮಹತ್ವವನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಬರೆಯಿರಿ. (5)

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7. ಈ ಕೆಳಗಿನ ಯಾವುದೇ ನಾಲ್ಕಕ್ಕೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ :

(4 × 5 = 20)

- (a) ಅಲ್ಲಮ ಪ್ರಭು
 - (b) ವಿಜಯದಾಸರು
 - (c) ಜೇಡರ ದಾಸಿಮಯ್ಯ
 - (d) ಅನುವಾದ
 - (e) ಸಂಧಿಗಳು
 - (f) ಹರಪನ ಹಳ್ಳಿ ಭೀಮವ್ವ
 - (g) ಸುತ್ತೋಲೆ
 - (h) ಪತ್ರದ ಅಂಗಗಳು
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**II Semester B.A./B.Sc./B.Com./B.B.M./B.S.W./B.C.A. Degree
Examination, September/October 2020**

BASIC ENGLISH

Paper II

(CBCS – New Syllabus)

Time : 3 Hours

Max. Marks : 70

Text : *Words and Beyond, Language Components.*

I. Annotate **any two** of the following : **(2 × 4 = 8)**

- (a) 'Shall I come too. Father?' asked
Tembu sleeping still lying
huddled in a corner of the hut.
- (b) I want a wife to keep
track of the children's doctor
and dentist appointments.
And keep track of mine, too.
- (c) I give you my daughter to
take the place of one who
died. Don't cry anymore. I've
even dried your wet towel.
- (d) These numbers tell us, quietly,
terrible story of inequality
and neglected leading to
the excess mortality of women.

II. Answer **any one** of the following : **(1 × 15 = 15)**

- (a) Explain the tragedy of Baldeo and how it becomes a precursor to the new story of Baldeo's son, Tembu.
- (b) 'The Weed' is the story of innocence and ignorance. Elucidate.

III. Annotate **any two** of the following : **(2 × 4 = 8)**

- (a) The squat pen rests.
I'll dig with it.



- (b) Of the wide. World I stand alone, and think
Till love and fame to nothingness do sink.
- (c) Policies taken out in his name prove
that he was fully insured.
And his health card shows he
Was once in hospital but left it cured.
- (d) They didn't tell me
How much of my pains
They needed to quench their thirst;

IV. Answer **any one** of the following : **(1 × 15 = 15)**

- (a) How does the poet Scamus Heaney keep himself away from his father and his grandfather?
- (b) How does the poet W.H. Auden depict "The Unknown Citizen"?

V. A. Change the following sentences into reported speech : **(4 × 2 = 8)**

1. Mukesh said, "I am writing poems".
2. He said, "Alas ! I am Undone".
3. The teacher said, "Honesty is the best policy".
4. The boy said, "We were playing".
5. The policeman said to us, "Where are you going".

B. Fill in the blanks with suitable modals given in the brackets : **(4 × 2 = 8)**

1. If it is made of plastic it _____ (can/will) float.
2. Take a taxi. You _____ (ought/might) miss the flight.
3. If we start now we _____ (can/could) be in time.
4. She said that she _____ (would/will) be there at 10'o clock.

C. Frame "Wh" questions to get the underlined part as answer : **(4 × 2 = 8)**

1. My uncle died in 1990.
2. There are forty five pupil in the class.
3. My grandfather is a astronomer.
4. I go to library for reading books.



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**II Semester B.A./B.Sc./B.Com./B.B.M./B.S.W./B.C.A./
B.Sc.(G.M.T.) Degree Examination, September/October 2020**

BASIC ENGLISH

Paper II

Time : 3 Hours

Max. Marks : 80

Texts : *Words and Beyond and Grammar*

- I. Annotate **any two** of the following : **(2 × 6 = 12)**
- (a) A low grunt resounded from the top of the cutting. In, a second Baldeo was awake, all his senses alter.
- (b) I want a wife who will not bother me with sampling complaints about a wife's duties.
- (c) 'Where does this weed come in?'
- (d) The number of my taxi-cab was 1729. It seemed to me rather dull number.
- II. Answer **any one** of the following : **(1 × 16 = 16)**
- (a) Bring out the tragedy of Baldeo ... and how it becomes a precursor to the new story of Baldeo's son, Tembu.
- (b) What are the responsibilities a wife has towards her husband as implied in this piece? How would you assess this attitude from the point of view of fairness?
- III. Annotate **any two** of the following : **(2 × 6 = 12)**
- (a) Under my window a clean
rasping sound
when the spade sinks into
gravelly ground;
- (b) That I shall never look upon
thee more.
Never have relish in the
faery power
of unreflecting love;

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- (c) He was found by the Bureau of Statistics to be
One against whom there was no official complaint.
- (d) Remember, we who take arms against each other.
It is the human earth that we defile.

IV. Answer **any one** of the following :

(1 × 16 = 16)

- (a) Write a critical appreciation of John Keats poem "When I have Fears".
- (b) Explain why the W.H. Auden has not named the unknown citizen right through the poem.

(GRAMMAR)

V. A. Rewrite the following sentences into reported speech :

(4 × 2 = 8)

1. He said, "I clean my teeth twice a day".
2. He said, "Where is the book?"
3. The boys said, "Hurrah ! we've won the match".
4. She said, "please let me go".

B. Choose the right modal to fill in the blank :

(4 × 2 = 8)

1. You _____ to know better (could/ought)
2. _____ you lend me your scooter, please? (should/would)
3. Prices _____ come down soon. (should/ought to)
4. You _____ have been more careful. (shall/should)

C. Frame 'Wh' questions to get the underlined part as answer :

(4 × 2 = 8)

1. I read comic books.
2. Savita is a sweet girl.
3. My house is 2 kilometres away from the city.
4. Taj Mahal is very beautiful.



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**II Semester B.Sc./B.C.A./B.F.T./G.M.T. Degree Examination,
September/October 2020**

BASIC ENGLISH

Paper II

(CBCS – New)

Time : 3 Hours

Max. Marks : 70

**SECTION – I
(SHORT STORIES)**

1. Annotate **any two** of the following : (2 × 3 = 6)
- (a) “And what happened?”
“She went crazy. Ran away with
him to the city”.
“How do you know it was because
of the weed?”
- (b) “We must petition the Czar not to let an innocent man perish”.
- (c) “I don’t know. They all sing
When they eat the weed.
Cry too.”
2. Answer **any one** of the following : (1 × 10 = 10)
- (a) Comment on the significance of the ‘weed’ in the story.
- (b) Discuss the meaning and importance of the saying “God Sees the truth
but waits”.

**SECTION – II
(ESSAYS)**

3. Annotate **any two** of the following : (2 × 3 = 6)
- (a) I am amazed at the glut of gullibility that refuses to release its hold even
as Science and Philosophy flourish.
- (b) Fear is the main source of superstition, and one of the main sources of
cruelty.
- (c) It is impossible to accept that there are communication channels that do
not depend on the by now well established forces of the universe.

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4. Answer **any one** of the following :

(1 × 10 = 10)

- (a) What are the Scientific reasons that support the claim that there is nothing like parapsychology?
- (b) How do I get out of Intellectual rubbish by Russell?

SECTION - III
(POETRY)

5. Annotate **any two** of the following :

(2 × 4 = 8)

- (a) I thank you God for creating
me black, For making of me
porter of all sorrows.
- (b) Some natural Sorrow, logs or
pain. That has been, and may
be again !
- (c) When, finally, we reached
He place, we hardly knew
Why we were there.

6. Answer **any one** of the following :

(1 × 10 = 10)

- (a) Critically comment on the Silence and haunting music in the poem "The Solitary Reaper".
- (b) Write a critical note on pathos in the poem "I Thank You God".

SECTION - IV
(GRAMMAR)

7. Fill in the blanks with suitable models given in the bracket :

(5 × 1 = 5)

- (a) Children over the age of twelve _____ (will/must) pay full fare.
- (b) The bank closes in 15 minutes. We _____ (should/shall) go there now.
- (c) She _____ (needs/ought) to take responsibility for her actions.
- (d) She thought, 'I _____ (must/may) hurry before the robbers come'.
- (e) My husband _____ (should/shall) come home soon.



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8. Change the sentences according to the instruction given in the brackets :
(5 × 1 = 5)
- (a) Italy is the Smallest country of all.
(Change into comparative degree)
 - (b) No other peak is as high as mount everest.
(Change into comparative degree)
 - (c) Mumbai is the largest city in India.
(Into positive degree)
 - (d) It is better to die like a lion than live like a dog.
(Into positive degree)
 - (e) Charls Dickenson is greater than any other Novelists.
(Into Superlative degree)
9. Change the sentence according to the instruction given in the brackets :
(5 × 2 = 10)
- (a) Manasa had written letter
(Change into simple past tense)
 - (b) I am going to College.
(Change into past continuous tense)
 - (c) The children have eaten all the sweets.
(Change into past perfect tense)
 - (d) My brother is reading the newspaper.
(Change into past continuous tense)
 - (e) A letter is written by me.
(Change into negative sentence)
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**II Semester B.Sc./B.C.A. Degree Examination,
September/October 2020**

HINDI (Basic)

Paper II – Study of Indian Language

Time : 3 Hours

Max. Marks : 70

सूचना : लिखावट शुद्ध और देवनागरी लिपि में हों।

पठित पुस्तकें : 1. गद्यसुमन, 2. हिन्दी व्याकरण

1. किन्हीं दो की संदर्भ सहित व्याख्या कीजिए। (2 × 10 = 20)
 - (a) सारे सागर की मसी करें और सारे जमीन का कागज, फिर भी भ्रष्टाचार का भारतीय महा काव्य अलिखित ही रहेगा।
 - (b) प्राणिशास्त्रियों का ऐसा अनुमान है, कि मनुष्य का अनावश्यक अंग उसी प्रकार झड़ जाएगा, जिस प्रकार उसकी पूँछ झड़ गई।
 - (c) धेट में पडा चारा, तो नाचने लगा बेचारा!'

2. किन्हीं दो प्रश्नों के उत्तर लिखिए। (2 × 10 = 20)
 - (a) “रामब्रक्ष बेनीपुरी अपने रेखाचित्र से हिन्दु-मुस्लीम के बीच भाईचारा बढानेवाले इनसान थे” इस कथन की पुष्टी कीजिए।
 - (b) “नाखून मनुष्य के भीतर छिपी हिंसा के प्रतीक हैं” इस कथन पर विस्तार से लिखिए।
 - (c) निराला भाई, रेखाचित्र पर एक सार गर्भित लेख लिखिए।

3. किन्हीं दो प्रश्नों का उत्तर लिखिए। (2 × 10 = 20)
 - (a) विशेषण की परिभाषा लिखकर उसके भेदों पर प्रकाश डालिए।
 - (b) संज्ञा और उसके प्रकारों पर विस्तार में लिखिए।
 - (c) क्रिया किसे कहते हैं? और उसके भेदों पर चर्चा कीजिए।

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(1 × 5 = 5)

4. (a) हिन्दी में अनुवाद कीजिए।

Ranapratap takes the vow in an assembly of the honorable members -
“till such time, as the nation is not recaptured from the enemies, I shall
not take my food from silver or golden vessels, I shall not sleep on royal
mattresses: and I shall not live in palatial chamber”

ಗಣ್ಯರ ಸಭೆಯನ್ನು ಕರೆದ ರಾಣಾಪ್ರತಾಪನು ಅವರೆದುರು ಪ್ರತಿಜ್ಞೆ ಮಾಡುತ್ತಾನೆ. ಎಲ್ಲಿಯವರೆಗೆ ಶತ್ರುಗಳ
ವಶವಾದ ರಾಜ್ಯವು ಕೈವಶವಾಗುವುದಿಲ್ಲವೂ, ಅಲ್ಲಿಯವರೆಗೆ ಬೆಳ್ಳಿ-ಬಂಗಾರದ ಪಾತ್ರೆಗಳಲ್ಲಿ ಊಟ
ಮಾಡುವುದಿಲ್ಲ, ಸುಪ್ಪತ್ತಿಗೆಯ ಮೇಲೆ ಮಲಗುವುದಿಲ್ಲ, ರಾಜಭವನದಲ್ಲಿ ವಾಸ್ತವ್ಯ ಮಾಡುವುದಿಲ್ಲ.

(1 × 5 = 5)

(b) हिन्दी से कन्नड या अंग्रेजी में अनुवाद कीजिए।

हम जानना चाहिए कि पृथ्वी का आधार जल और जंगल है।

पर्यावरण को बचाना हमारी महत्वपूर्ण जिम्मेदारी है।

पर्यावरण का बचाव 'जीओ और जीने दो' के सिद्धांत पर आधारित है।

मानव प्रकृति के नियमों के अनुसार ही जन्म लेता और मरता है।

पानी, पेड और शुद्ध हवा, जीवन की अनमोल दवा है।

II Semester B.A./B.Com./B.Sc./B.B.M./B.C.A. Degree
Examination, September/October 2020

Environmental Studies – (Compulsory)

(CBCS)

Max. Marks : 70

Time : 3 Hours

Instructions : 1) All questions are compulsory.
ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳು ಕಡ್ಡಾಯ.

2) Draw labelled diagrams wherever necessary.
ಅವಶ್ಯವಿದ್ದಲ್ಲಿ ಚಿತ್ರಗಳನ್ನು ಬಿಡಿಸಿ.

SECTION – A/ವಿಭಾಗ – ಅ

(10 × 2 = 20)

Answer **any ten** of the following questions :

ಯಾವುದಾದರೂ ಹತ್ತು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿರಿ :

What are sanctuaries?

ಪಕ್ಷಿ ಧಾಮಗಳೆಂದರೇನು?

Expand BNHS and CSE.

ಬಿ.ಎನ್.ಎಚ್.ಎಸ್. ಮತ್ತು ಸಿ.ಎಸ್.ಇ ವಿಸ್ತರಿಸಿ.

What is Cyclone?

ಚಂಡಮಾರುತ ಎಂದರೇನು?

What is non renewable resources? Give an example.

ಪುನರ್ ಬಳಸಲಾಗದ ಸಂಪನ್ಮೂಲ ಎಂದರೇನು? ಒಂದು ಉದಾಹರಣೆ ಕೊಡಿ.

Write any two Abiotic components of Ecosystem.

ಪರಿಸರ ವ್ಯವಸ್ಥೆಯ ಯಾವುದಾದರೂ ಎರಡು ಅಜೈವಿಕ ಘಟಕಗಳನ್ನು ಬರೆಯಿರಿ.

What is waste management?

ತ್ಯಾಜ್ಯ ನಿರ್ವಹಣೆ ಎಂದರೇನು?

What is infant mortality?

ಶಿಶು ಮರಣ ಪ್ರಮಾಣ ಎಂದರೇನು?

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8. What is Chipko movement? Who is the founder?
ಚಿಪ್ಕೋ ಚಳುವಳಿ ಎಂದರೇನು? ಅದರ ಸ್ಥಾಪಕರು ಯಾರು?
9. What is Red Data Book?
ಕೆಂಪು ದತ್ತಕ ಪುಸ್ತಕ ಎಂದರೇನು?
10. Define Food Web.
'ಆಹಾರ ಜಾಲ' ವ್ಯಾಖ್ಯಾನಿಸಿ.
11. Write any four problems of water logging.
ಜಾಗು ಪ್ರದೇಶದಿಂದಾಗುವ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಸಮಸ್ಯೆಗಳನ್ನು ಬರೆಯಿರಿ.
12. What is Noise pollution?
ಶಬ್ದ ಮಾಲಿನ್ಯ ಎಂದರೇನು?

SECTION - B/ವಿಭಾಗ - ಬ

Answer **any four** of the following :

(4 × 5 = 20)

ಕೆಳಕಂಡ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ :

13. Enumerate any four consequences of population explosion.
ಜನಸಂಖ್ಯಾ ಸ್ಫೋಟದ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪರಿಣಾಮಗಳನ್ನು ವಿವರಿಸಿ.
14. Define Biodiversity. Explain threats and causes of loss of Biodiversity.
ಜೀವ ವೈವಿಧ್ಯತೆ ಎಂದರೇನು? ಅದರ ಅಪಾಯಗಳು ಮತ್ತು ಕಾರಣಗಳ ಬಗ್ಗೆ ಬರೆಯಿರಿ.
15. Explain the Rain water harvesting.
ಮಳೆ ನೀರು ಕೊಯ್ಲಿನ ಬಗ್ಗೆ ವಿವರಿಸಿರಿ.
16. What are the main causes of ozone layer depletion?
ಓಝೋನ್ ಪದರದ ಅವನತಿಗೆ ಕಾರಣಗಳೇನು?
17. Explain the need of public awareness about the environment.
ಪರಿಸರದ ಬಗ್ಗೆ ಜನ ಜಾಗೃತಿಯ ಅಗತ್ಯತೆ ಕುರಿತು ವಿವರಿಸಿ.
18. Write a note on Human Rights.
ಮಾನವ ಹಕ್ಕುಗಳ ಬಗ್ಗೆ ಒಂದು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.



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SECTION - C/ವಿಭಾಗ - ಕ

Answer **any three** of the following questions :

(3 × 10 = 30)

ಕೆಳಕಂಡ ಯಾವುದಾದರೂ ಮೂರು ಪ್ರಶ್ನೆಗಳನ್ನು ಉತ್ತರಿಸಿರಿ :

19. Explain the causes and effects of Sound Pollution.
ಶಬ್ದಮಾಲಿನ್ಯ ಕಾರಣಗಳು ಮತ್ತು ಪರಿಣಾಮಗಳ ಬಗ್ಗೆ ವಿವರಿಸಿರಿ.
20. Explain the causes, consequences and measures of desertification.
ಮರುಭೂಮಿಕರಣಕ್ಕೆ ಕಾರಣಗಳು, ಪರಿಣಾಮಗಳು ಮತ್ತು ಅದರ ಪರಿಹಾರೋಪಾಯಗಳನ್ನು ಕುರಿತು ವಿವರಿಸಿರಿ.
21. What is AIDS? Explain causes, mode of transmission, symptoms and preventive measures of AIDS.
ಏಡ್ಸ್ ರೋಗ ಎಂದರೇನು? ಏಡ್ಸ್ ರೋಗದ ಕಾರಣಗಳು, ಹರಡುವಿಕೆ, ಲಕ್ಷಣಗಳು ಮತ್ತು ಮುಂಜಾಗ್ರತ ಕ್ರಮಗಳನ್ನು ವಿವರಿಸಿ.
22. What is Ecosystem? Explain pond ecosystem.
ಪರಿಸರ ವ್ಯವಸ್ಥೆ ಎಂದರೇನು? ಕೊಳ ಪರಿಸರ ವ್ಯವಸ್ಥೆಯನ್ನು ವಿವರಿಸಿ.
23. What is earthquake? Explain the effects of earthquake and their disaster management.
ಭೂಕಂಪ ಎಂದರೇನು? ಭೂಕಂಪದ ಕಾರಣಗಳು ಮತ್ತು ಪರಿಣಾಮಗಳನ್ನು ವಿವರಿಸಿರಿ.



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II Semester B.Sc. Degree Examination, September/October 2020

BOTANY

**Paper II – Bryophytes, Pteridophytes, Paleobotany,
and Gymnosperms**

(CBCS – New)

Time : 3 Hours

Max. Marks : 70

SECTION – A

- I. Answer the following : (15 × 1 = 15)
1. What is algal zone?
 2. What are gemmae?
 3. Define Paleobotany.
 4. Which plant is commonly called hornwort?
 5. What is ligule? Mention its function.
 6. What is circinate vernation? Give an example.
 7. What are carinal canals? Mention its function.
 8. What is pavement tissue? Give an example.
 9. What are elaters?
 10. What are intuguments?
 11. What is sporocarp? Give example.
 12. Name plant of winged pollen grains.
 13. Define the word Nucellus.
 14. What is trabecula? Give example.
 15. What are spur? Where do you find this?

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SECTION - B

(5 × 5 = 25)

- II. Answer **any five** of the following :
16. Explain the T.S. of Marchantia thallus.
 17. Describe the T.S. of Lycopodium stem with neat labelled diagram.
 18. Explain the T.S. of Rhynia stem.
 19. Describe the T.S. of corolloid root with suitable diagram.
 20. Explain the T.S. of Selaginella strobilus with diagram.
 21. Describe the L.S. of Gnetum ovule with labelled diagram.
 22. Explain the external features of Polytrichum.

SECTION - C

(3 × 10 = 30)

- III. Answer **any three** of the following :
23. Explain the T.S. of pinus needle with neat labelled diagram.
 24. Describe the Anthoceros sporophyte with suitable diagram.
 25. Explain the L.S. of Equisetum cone with the help of neat labelled diagram.
 26. Explain the Stelar evolution in Pteridophytes.
 27. Describe the external character of Cycas.
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II Semester B.Sc. Degree Examination, September/October 2020

ZOOLOGY

Paper Z-2 – Biology of Chordates and Comparative Anatomy

(CBCS)

Time : 3 Hours

Max. Marks : 70

Instructions :

- 1) *Answer all Sections.*
- 2) *Draw labelled diagrams wherever necessary.*

SECTION – A

Answer **any five** of the following :

(5 × 2 = 10)

1. Mention the functions of crop and gizzard in Aves.
2. Define Placenta. Mention any two functions.
3. Mention the types of scales in Fishes.
4. Mention I and IX vertebra of Frog.
5. Define Haemotoxic and Neurotoxic.
6. What are Sea Squirts? Give example.

SECTION – B

Answer **any six** of the following :

(6 × 5 = 30)

7. Write the differences between Osteichthyes and Chondrichthyes.
8. Write the general characteristics of the Hemichordata.
9. Briefly explain the key characteristics of an identification of poisonous and non-poisonous snakes.
10. Enumerate the unique features of the class Mammalia.

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11. Write the comparative account of the brain of Shark and Frog.
12. Describe the classification of Amphibians upto orders with example.
13. Explain the venous system of Rat with a neat labelled diagram.
14. Sketch and label the pectoral girdle of Frog.

SECTION - C

Answer **any three** of the following :

(3 × 10 = 30)

15. Write an explanatory note on the Lung Fishes.
16. Explain the fore limbs of Frog's skeleton with a neat labelled diagram.
17. Enumerate the unique features of the class Aves. Substantiate the flight adaptations of Birds.
18. Describe the male and female urinogenital system of Rat with a neat labelled diagram.
19. Write the comparative account of the digestive system of Shark and Pigeon with a neat labelled diagram.



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II Semester B.Sc. Degree Examination, September/October 2020**CHEMISTRY****Paper II****(CBCS)**

Time : 3 Hours

Max. Marks : 70

Instructions :

- 1) Section-A contains questions from Inorganic, Organic and Physical Chemistry.
- 2) Section-B contains questions from Inorganic, Section-C contains questions from Organic and Section-D contains questions from Physical Chemistry sections.
- 3) Answer all the four Sections A, B, C and D.

SECTION - A

Answer **any ten** of the following questions :**(10 × 1 = 10)**

1. What are S-block elements?
2. What are interhalogen compounds?
3. Write the structure of ammonia.
4. Define bond order.
5. What are cycloalkanes?
6. What are isolated dienes?
7. State Markovnikov's rule.
8. Why alkynes are acidic in nature?
9. What are liquid crystals?
10. What is steady state principle?
11. What is parallel reactions?
12. What is meant by zeta potential?

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SECTION - B

(2 × 10 = 20)

Answer **any two** of the following questions :

13. (a) Discuss the characteristics of oxides and basicity of hydroxides of S-block elements. (6)
(b) Discuss the structure and bonding in XeO₃ and XeF₆. (4)
14. (a) Write the preparation and structure of IF₃ and IF₇. (6)
(b) Give the postulates of Valence bond theory. (4)
15. (a) Explain the structure of BF₃ and PCl₅ according to VSEPR theory. (6)
(b) Draw the molecular orbital diagram of H₂ and N₂. (4)

SECTION - C

(2 × 10 = 20)

Answer **any two** of the following questions :


16. (a) Explain the free radical mechanism of chlorination of methane. (6)
(b) Write a note on Sachse-Mohr theory of strain less rings. (4)
17. ✓(a) What are dienes? Give two methods of preparation and two chemical reactions of 1, 3 - butadiene. (6)
✓(b) Explain the mechanism of peroxide effect. (4)
18. ✓(a) Explain the modern concept of structure of benzene. (6)
(b) Write a note on aromaticity. (4)

SECTION - D

Answer **any two** of the following questions :

(2 × 10 = 20)

19. ✓(a) Describe transition state theory of a bimolecular reaction. (6)
✓(b) Discuss about nematic and cholestric liquid crystals. (4)

- 
20. ✓ (a) Derive an expression for the velocity constant of a second order reaction when $a = b$. (6)
- ✓ (b) Write a note on Lindemann's theory of unimolecular reactions. (4)
21. (a) Write a note on origin of charge on colloidal particle. (6)
- (b) Give the determination of order of a reaction by half-life method. (4)
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II Semester B.Sc. Degree Examination, September/October 2020

CHEMISTRY

Paper II

(New)

Time : 3 Hours

Max. Marks : 80

Instructions : *The question paper contains four Sections and answer all the four Sections A, B, C and D as per the instructions.*

SECTION – A

Answer **any ten** of the following questions :

(10 × 2 = 20)

1. Lithium is most extensively hydrated among the alkali metals. Explain.
2. Write the structure of diborane.
3. What are interhalogen compounds? Give examples.
4. Define bond order.
5. Calculate the angle strain in cyclobutane.
6. Define angle strain.
7. Write Diel's-Alder reaction.
8. What is Resonance?
9. What is liquid crystals? Give an example.
10. Define order and molecularity of a reaction.
11. What are parallel reactions? Give example.
12. Give any two applications of colloids.

SECTION - B

(2 × 10 = 20)

Answer **any two** of the following questions :

13. (a) Give the comparative study of properties of alkali and alkaline earth metals with respect to density, melting point and boiling point. (6)
- (b) Give an account of extraction of alkali metals by igneous method. (4)
14. (a) Discuss the structure and bonding in XeO_3 and XeF_6 . (6)
- (b) Write a note on van der Waal's interaction. (4)
15. (a) Describe the postulates of valence bond theory. (6)
- (b) Explain briefly intermolecular hydrogen bonding. (4)

SECTION - C

(2 × 10 = 20)

Answer **any two** of the following questions :

16. (a) Give the mechanisms of Markovnikov's rule with a suitable example. (6)
- (b) Explain chain isomerism in alkanes with suitable example. (4)
17. (a) Write three methods of synthesis of 1, 3 - butadiene. (6)
- (b) Write two chemical properties of Cycloalkanes. (4)
18. (a) Describe the molecular orbital structure of benzene. (6)
- (b) Explain the orientation effect of nitrobenzene. (4)

SECTION - D

Answer **any two** of the following questions :

(2 × 10 = 20)

19. (a) Explain the structure of neumatic and cholestric liquid crystals. (6)
- (b) Discuss the intermolecular forces in liquids. (4)
20. (a) Explain the theory of unimolecular reactions by steady state principle. (6)
- (b) Give the different method of determination of order of reaction. (4)
21. (a) Write a note on electrophoresis and electroosmosis. (6)
- (b) Write a note on Lindemann's theory of unimolecular reactions. (4)



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II Semester B.Sc. Degree Examination, September/October 2020**PHYSICS****Paper II – Heat Thermodynamics Waves and Oscillations****(CBCS)**

Time : 3 Hours

Max. Marks : 70

Instructions : 1) Answer **all** questions from Section – A **any five** from Section – B and **any three** from Section – C.

2) Write answers to Section A questions in the first two pages only.

SECTION – A

Answer the following :

(15 × 1 = 15)

1. State first law of Thermodynamics.
2. What is the change in the entropy in a Carnot cycle?
3. If the door of a refrigerator is kept open in the hall will it make the hall warmer or colder?
4. State the principle of regenerative cooling.
5. How Joule-Thomson co-efficient is related to heating and cooling effect?
6. State Wein's displacement law.
7. What is radiation pressure?
8. What are damped oscillations?
9. What is resonance?
10. Mention any one use of Lissajou's figures.
11. Define reverberation time.
12. What are stationary waves?
13. Write an expression for resultant of two SHM's at right angles to each other.
14. What are beats?
15. State the effect of humidity on the velocity of sound.

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SECTION - B

Answer **any five** questions :

(5 × 5 = 25)

16. What is a heat engine? With a neat diagram describe the construction of Carnot's heat engine.
17. Distinguish between real and ideal gas.
18. Show that Wein's law and Rayleigh-Jeans law are special cases of Planck's law.
19. What is simple harmonic motion? Derive an expression for kinetic energy at any instant.
20. Derive an expression for the relation between Intensity and amplitude of wave.
21. State wave velocity and group velocity and establish the relation between them.
22. Deduce Sabine's formula for reverberation time.

SECTION - C

Answer **any three** questions :

(3 × 10 = 30)

23. (a) Distinguish between Isothermal and adiabatic process. Derive an expression for the work done during adiabatic process.
(b) A Carnot takes 2000 J of heat from reservoir at 500 K does some work and discards some heat to a reservoir at 350 K. How much work does it do, how much heat is discarded and what is the efficiency? (6 + 4)
24. (a) State Kelvin's and Clausius statements of II law of Thermodynamics. Derive Clausius - Clapeyron latent heat equation.
(b) Calculate the change in entropy when 0.01 kg of ice melts into water without change of temperature. Assuming latent heat of water is 3.34×10^5 J/kg. (7 + 3)

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25. (a) With a labelled diagram. Give the theory of porous-plug experiment.
(b) Explain how low temperature is obtained by adiabatic demagnetization. **(6 + 4)**
26. (a) Derive Planck's law of radiation.
(b) The mean temperature of a 60 W Tungsten's lamp is 2127°C . The surface area of the filament is $6.2 \times 10^{-5} \text{ m}^2$. If Stefan's constant is $5.7 \times 10^{-8} \text{ Wm}^{-2} \text{ K}^{-4}$. Calculate the emissive power. **(6 + 4)**
27. (a) Derive Newton's Laplace's formula for the velocity of sound in air.
(b) Calculate the velocity of sound waves through a metal rod. Given that Young's modulus of the rod is $18 \times 10^{10} \text{ N/m}^2$ and density is $7.8 \times 10^3 \text{ kg m}^3$. **(7 + 3)**

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SECTION - B

(5 × 5 = 25)

Answer **any five** questions :

16. What is isothermal and adiabatic process? Derive an expression for the workdone during isothermal process.
17. Deduce an expression for mean freepath of a molecule.
18. Write the properties of liquid nitrogen and liquid helium.
19. Describe with neat diagram the Crooke's radiometer.
20. Derive an expression for the composition of two SHMS of equal periods and right angles to each other.
21. Obtain the relation between Group velocity and Wave velocity.
22. Obtain an expression for velocity of a transverse wave in a stretched string.

SECTION - C

Answer **any four** questions :

(4 × 10 = 40)

23. (a) Deduce the expression for efficiency of a Carnot's heat engine in terms of temperature between which it works.
(b) The sink in Carnot engine is at 27°C and has efficiency 0.4. If the efficiency of the engine is to be increased to 0.5. Find by how much temperature of the source should be increased. (6 + 4)
24. (a) Explain the principle of refrigerator.
(b) Write the basic assumptions of kinetic theory of gases. (5 + 5)
25. (a) With neat diagram, explain the porous plug experiment.
(b) Discuss the results of the porous plug experiment. (7 + 3)
26. (a) Derive Planck's law of radiation.
(b) At what temperature will a blackbody lose thermal energy at the rate of 10 W/m² (Given $a = 5.67 \times 10^8$ S.I. units). (7 + 3)



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27. (a) Distinguish between Forced Free and Damped oscillations. Write their differential equations.
- (b) The equation of a particle executing SHM is $y = 5 \sin y = 5 \sin[(\pi s^{-1})t + \pi/3]$. Find amplitude, time period and maximum speed. (6 + 4)
28. Derive Sabine's formula for reverberation time and discuss the factors on which reverberation time depends. (10)
-

II Semester B.Sc. Degree Examination, September/October 2020

MATHEMATICS – IV

Paper 2.2 – Advanced Calculus

(New)

Time : 3 Hours

Max. Marks : 60

Instructions : Answer **all** Sections.

SECTION – A

Answer **any ten** of the following :

(10 × 2 = 20)

1. Verify Rolle's theorem for the function $f(x) = x^2(1-x)^2$ in the interval $[0, 1]$.
2. Expand the function by means of Maclaurin's expansion $f(x) = \cos x$.
3. Verify Cauchy's mean value theorem for the function $f(x) = x^3$, $g(x) = x^2$ in $[1, 3]$.
4. Evaluate : $\lim_{x \rightarrow 0} (\cos x)^{1/x^2}$
5. Evaluate : $\lim_{x \rightarrow 0} (\operatorname{cosec} x - \cot x)$
6. Evaluate : $\int_0^{\pi} x \sin^8 x \, dx$
7. Evaluate : $\int_C (x+y)dx + (y-x)dy$ along the parabola $y^2 = x$ from $(1, 1)$ to $(4, 2)$.
8. Evaluate : $\int_0^1 \int_0^2 (x+y) \, dy \, dx$
9. Evaluate : $\int_0^1 \int_{x^2}^{\sqrt{x}} \int_0^3 dx \, dy \, dz$
10. Define Beta and Gamma functions.

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11. Evaluate : $\frac{\sqrt{9}}{4\sqrt{6}\sqrt{3}}$

12. Show that : $\sqrt{(n+1)} = n\sqrt{n}$

SECTION - B

(5 × 5 = 25)

Answer **any five** of the following :

13. State and prove Lagrange's mean value theorem.

14. Expand the function $\log_e(\sec x)$ upto the term containing x^6 by Maclaurin's expansion.

15. Evaluate : $\lim_{x \rightarrow 0} \left[\frac{1}{x^2} - \frac{1}{\sin^2 x} \right]$

16. Evaluate : $\int_0^a \frac{x^n}{\sqrt{a^2 - x^2}} dx$

17. Find the entire length of the curve : $x^{2/3} + y^{2/3} = a^{2/3}$.

18. Find the area bounded by the parabola $y^2 = 4ax$ and its latus rectum.

19. Find the surface area of the solid generated when the cardioid $r = a(1 + \cos \theta)$ revolves about the initial line.

SECTION - C

Answer **any three** of the following :

(3 × 5 = 15)

20. Evaluate $\int_C (xy dx + x^2 z dy + xyz dz)$ where 'C' is given by $x = e^t$, $y = e^{-t}$, $z = t^2$ and $0 \leq t \leq 1$.

21. Evaluate : $\iint_R Y dx dy$ where 'R' is the region bounded by the first quadrant of the ellipse $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$.



22. Find the volume of the sphere (radius 'a') by using triple integration.

23. Show that : $\int_0^1 \frac{x^{m-1} + x^{n-1}}{(1+x)^{m+n}} dx = \beta(m,n)$

24. Using Beta function prove that

$$\int_0^1 x^{9/2} (1-x)^{-1/2} dx = \frac{63}{256} \pi$$



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II Semester B.Sc. Degree Examination, September/October 2020

MATHEMATICS

Paper III and 2.1 – Algebra – II

(New)

Time : 3 Hours

Max. Marks : 60

Instructions : Answer **all** the Sections.

SECTION – A

Answer **any ten** of the following :

(10 × 2 = 20)

1. Define subgroup and give example.
2. Find the number of generators of the cyclic group of G of order 8.
3. Find all the left cosets of
 $H = \{2, 4, 8\}$ in $(\tau_{15}, +15)$
4. Show that every quotient group of an abelian group is abelian.
5. If $\lim_{n \rightarrow \infty} x_n = L$ then $\lim_{n \rightarrow \infty} |x_n| = |L|$. Then if $\{x_n\}$ is convergent then so is $\{|x_n|\}$.
6. Show that the sequence $\{x_n\}$ where $x_n = \frac{3n+4}{2n+1}$ is monotonic strictly decreasing.
7. Show that the sequence $\{x_n\}$ given by $1+(-1)^n$ is oscillatory.
8. Test the convergent of the sequence whose n^{th} term is given $\sqrt{n+1} - \sqrt{n}$.
9. Test the series $1^3 + 2^3 + 3^3 + \dots + n^3 + \dots$
10. If a series $\sum U_n$ is convergence then $\lim_{n \rightarrow \infty} u_n = 0$.
11. State Raabe's test.
12. Discuss the convergence of
 $1 - 1/2 + 1/3 - 1/4 + \dots$

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SECTION - B

(2 × 5 = 10)

Answer **any two** of the following :

13. State and prove Lagrange theorem.
14. Show that every factor group of a cyclic group is cyclic.
15. Let $f : G \rightarrow G'$ be a homomorphism from the group G into G' with K . Then K is a normal subgroup of G .

SECTION - C

(3 × 5 = 15)

Answer **any three** of the following :

16. Define limit of the sequence and prove that limit of the sequence is unique.

17. Discuss the nature of standard sequence $\left\{ \left(1 + \frac{1}{n} \right)^n \right\}$.

18. Find the limit of the sequence

$$\frac{3+7+11+\dots+(4n-1)}{2n^2+3n}$$

19. Show that the sequence $\{x_n\}$ defined by $x_1 = \sqrt{7}$ $x_{n+1} = \sqrt{7+x_n}$ converges to $\frac{1+\sqrt{29}}{2}$.

SECTION - D

Answer **any three** of the following :

(3 × 5 = 15)

20. State and prove Geometric Series.

21. Discuss the convergence of

$$\frac{x}{1} + \frac{1}{2} \frac{x^3}{3} + \frac{1 \cdot 3}{2 \cdot 4} \frac{x^5}{5} + \frac{1 \cdot 3 \cdot 5}{2 \cdot 4 \cdot 6} \frac{x^7}{7} \dots$$



22. Test for the convergence

$$\left(\frac{2^2}{1^2} - \frac{2}{1}\right)^{-1} + \left(\frac{3^3}{2^3} - \frac{3}{2}\right)^{-2} + \left(\frac{4^4}{3^4} - \frac{4}{3}\right)^{-3} + \dots$$

23. Test the convergence for

$$\frac{2}{1^p} + \frac{3}{2^p} + \frac{4}{3^p} + \frac{5}{4^p} + \dots$$



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**II Semester B.A./B.Sc./B.Com./B.B.M./B.S.W./B.C.A./
B.H.M./B.F.T. Degree Examination, September/October 2020**

Paper II – Additional English

(CBCS)

Time : 3 Hours

Max. Marks : 70

Instructions : 1) *Prose for Pleasure and Comprehension.*

2) *Selected Poems.*

I. Answer **any three** of the following : **(3 × 14 = 42)**

1. What, according to the author, is the best way of understanding our own civilization?
2. What are Gardiner's observations on possession?
3. What was the result of the narrator's stupid adventure in 'Tight Corners'?
4. Write an essay on the character of Schweitzer as presented by GF Lamb.

II. Answer **any two** of the following : **(2 × 14 = 28)**

1. Write the story of 'The Solitary Reaper'.
2. How does John Donne Mock at Death?
3. What message does the poet intends to convey in 'La Belle Dame Sans Merci'?



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**II Semester B.A./B.Sc./B.Com./B.B.M. Degree Examination,
September/October 2020**

HISTORY

History of Karnataka (From early times to 1565 A.D.)

(Open Elective)

Time : 3 Hours

Max. Marks : 70

- Instructions :** 1) Answer **any ten** questions from Section A.
2) Answer **any two** questions from Section B.
3) Answer **any two** questions from Section C.

SECTION - A/ಭಾಗ - ಅ

Answer the following **any ten** questions in not more than three to four sentences each : **(10 × 2 = 20)**

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಹತ್ತು ಪ್ರಶ್ನೆಗಳಿಗೆ ಮೂರರಿಂದ ನಾಲ್ಕು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ :

1. Name the neighboring states of Karnataka.
ಕರ್ನಾಟಕದ ನೆರೆ ರಾಜ್ಯಗಳನ್ನು ಹೆಸರಿಸಿ.
2. Why is Agumbe called "Cheerapunji" of Karnataka?
ಆಗುಂಬೆಯನ್ನು ಏತಕ್ಕಾಗಿ ಕರ್ನಾಟಕದ "ಚಿರಾಪುಂಜಿ" ಎಂದು ಕರೆಯಲಾಗಿದೆ?
3. What is Numismatics? How it helps to reconstruct history?
ನಾಣ್ಯಶಾಸ್ತ್ರ ಎಂದರೇನು? ಇತಿಹಾಸ ಪುನರ್ ರಚಿಸಲು ಇದು ಹೇಗೆ ಸಹಕಾರಿಯಾಗಿದೆ?
4. Who was Chavundaraya? Why was he famous?
ಚಾವುಂಡರಾಯ ಯಾರು? ಅವನು ಏಕೆ ಪ್ರಸಿದ್ಧಿಯಾಗಿದ್ದಾನೆ?
5. What is the importance of 'Aihole Inscription'?
'ಐಹೊಳೆ ಶಾಸನ'ದ ಪ್ರಾಮುಖ್ಯತೆಯೇನು?
6. Write about Elephanta.
ಎಲಿಫೆಂಟಾದ ಬಗ್ಗೆ ಬರೆಯಿರಿ.
7. Who wrote 'Kavirajamarga'? What is its importance?
'ಕವಿರಾಜಮಾರ್ಗ'ವನ್ನು ಬರೆದವರು ಯಾರು? ಅದರ ಪ್ರಾಮುಖ್ಯತೆಯೇನು?
8. Mention the titles of Vikramaditya VI.
ಆರನೆಯ ವಿಕ್ರಮಾದಿತ್ಯನ ಬಿರುದುಗಳನ್ನು ನಮೂದಿಸಿರಿ.

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9. Name the famous dancer of Hoysalas? What was her title?
ಹೊಯ್ಸಲರ ಪ್ರಸಿದ್ಧ ನರ್ತಕಿ ಯಾರು? ಈಕೆಯ ಬಿರುದು ಯಾವುದು?
10. Write about Keshava temple of Somnathapura.
ಸೋಮನಾಥಪುರದ ಕೇಶವ ದೇವಾಲಯದ ಬಗ್ಗೆ ಬರೆಯಿರಿ.
11. Who founded Vijayanagar Kingdom? When was it founded?
ವಿಜಯನಗರ ಸಾಮ್ರಾಜ್ಯ ಸ್ಥಾಪಕರು ಯಾರು? ಯಾವಾಗ?
12. Mention the titles of Proudha Devaraya II.
ಎರಡನೇ ಪ್ರೌಢ ದೇವರಾಯನ ಬಿರುದುಗಳನ್ನು ತಿಳಿಸಿರಿ.

SECTION - B/ಭಾಗ - ಬ

(2 × 10 = 20)

Medium Sized Answers (any two) :

ಮಧ್ಯಮ ಗಾತ್ರದ ಉತ್ತರಗಳ ಪ್ರಶ್ನೆಗಳು (ಯಾವುದಾದರೂ ಎರಡಕ್ಕೆ) :

13. Describe the archaeological sources of Karnataka History.
ಕರ್ನಾಟಕ ಇತಿಹಾಸದ ಪುರಾತತ್ವ ಮೂಲಾಧಾರಗಳನ್ನು ವಿವರಿಸಿರಿ.
14. Explain the life and achievements of Mayura Varma.
ಮಯೂರ ವರ್ಮನ ಜೀವನ ಮತ್ತು ಸಾಧನೆಗಳನ್ನು ವಿವರಿಸಿರಿ.
15. Narrate the cultural contributions of Rashtrakutas.
ರಾಷ್ಟ್ರಕೂಟರ ಸಾಂಸ್ಕೃತಿಕ ಕೊಡುಗೆಗಳನ್ನು ವಿವರಿಸಿರಿ.
16. Sketch the life and achievements of Devaraya II.
ಎರಡನೇ ದೇವರಾಯನ ಜೀವನ ಮತ್ತು ಸಾಧನೆಗಳನ್ನು ಚಿತ್ರಿಸಿರಿ.

SECTION - C/ಭಾಗ - ಸಿ

(2 × 15 = 30)

Write Long Sized Answers (any two) :

ದೀರ್ಘ ಗಾತ್ರದ ಉತ್ತರಗಳು (ಯಾವುದಾದರೂ ಎರಡಕ್ಕೆ) :

17. Explain the career and military achievements of Pulakesi II.
ಇಮ್ಮಡಿ ಪುಲಕೇಶಿಯ ಜೀವನ ಮತ್ತು ಸಾಧನೆಗಳನ್ನು ಚಿತ್ರಿಸಿರಿ.
18. Sketch the life and achievements of Vikramaditya VI.
ಆರನೇ ವಿಕ್ರಮಾದಿತ್ಯನ ಜೀವನ ಮತ್ತು ಸೈನಿಕ ಸಾಧನೆಗಳನ್ನು ಚಿತ್ರಿಸಿರಿ.
19. Sketch the life and achievements of Vishnu Vardhana.
ವಿಷ್ಣುವರ್ಧನನ ಜೀವನ ಮತ್ತು ಸಾಧನೆಗಳನ್ನು ಚಿತ್ರಿಸಿರಿ.
20. Describe the cultural contributions of Vijayanagara.
ವಿಜಯನಗರದ ಸಾಂಸ್ಕೃತಿಕ ಕೊಡುಗೆಗಳನ್ನು ವಿವರಿಸಿರಿ.



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**II Semester B.A./B.Sc./B.Com./B.B.M./B.C.A./B.S.W./B.F.T.
Degree Examination, September/October 2020**

ENGLISH – Open Elective

Paper II – Soft Skills for English Communication

Time : 3 Hours

Max. Marks : 70

SECTION – A

Answer **any four** :

(4 × 5 = 20)

1. Describe 'COVID-19' control measures taken in your city to your friend who is in ENGLAND.
2. Give a telephonic conversation about opening a bank-account with SBI Manager, Bellary.
3. Give a conversation with your English lecture's about your future studies.
4. Give any summarized account of a great Leader's speech.
5. How shall the TV anchors attract the viewers?
6. Ask SBI Manager about the interest rates for ₹ 1,00,000 FD.

SECTION – B

Answer **any four** :

(4 × 5 = 20)

7. Explain the importance of oral communication.
8. Group discussion on E-learning.
9. Report an interview for the post of a 'BANK-PEON' .
10. Explain the purpose of an industrial tour to your peers.
11. What is stress and intonation?
12. Face an interview for the post of English Lecturer.

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SECTION - C

(2 × 10 = 20)

Answer **any two** :

13. Write a letter to the Registrar, VSKY, Bellary for convocation certificate.
14. Write a letter to the Registrar, VSKY, Bellary for your 'NAME - CORRECTION'.
15. Write a leave-letter for 10 days leave.
16. Explain with details about E-mail correspondence.

SECTION - D

(10)

Answer **any one** :

17. Reading Comprehension :

The postmaster first took up his duties in the village of Ulapur. This is a small village, but it has a indigo factory. The owner is an Englishman. Actually he brings the post-office and a post-man.

The post-man is from Calcutta. He feels like a fish out of water. His office and living room are in a small shed. The postman has no friends at all. He is good reader and writer. His salary is small. He prepares his own food.

Note : Answer the questions :

(5 × 2 = 10)

- (a) What is the status of Ulapur?
- (b) How many factories are there?
- (c) Who is the owner of the factory?
- (d) Is he happy in Ulapur?
- (e) What are his habits?

Or

18. Explain the role of 'COMPUTERISATION'.

(1 × 10 = 10)



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**II Semester ALL UG Degree Examination,
September/October 2020**

Human Rights (OE)

(CBCS)

Time : 3 Hours

Max. Marks : 70

SECTION - A/ವಿಭಾಗ - ಎ

Answer the following questions in three to four sentences : **(10 × 2 = 20)**

ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಮೂರರಿಂದ ನಾಲ್ಕು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ :

1. What is Human Right?
ಮಾನವ ಹಕ್ಕು ಎಂದರೇನು?
2. Name any two moral rights.
ಯಾವುದಾದರೂ ಎರಡು ನೈತಿಕ ಹಕ್ಕುಗಳನ್ನು ಹೆಸರಿಸಿ.
3. Define Social Justice.
ಸಾಮಾಜಿಕ ನ್ಯಾಯದ ವ್ಯಾಖ್ಯೆ ನೀಡಿ.
4. What is the main purpose of Geneva Convention of 1864?
1864ರ ಜನೀವಾ ಒಪ್ಪಂದದ ಪ್ರಧಾನ ಉದ್ದೇಶವೇನು?
5. What do you mean by Group Rights?
ಸಾಮೂಹಿಕ ಹಕ್ಕುಗಳೆಂದರೇನು?
6. What do you mean by Gender's discrimination?
ಲಿಂಗ ತಾರತಮ್ಯ ಎಂದರೇನು?
7. Expand UDHR.
UDHR ಅನ್ನು ವಿಸ್ತರಿಸಿ.
8. What is human development?
ಮಾನವ ಅಭಿವೃದ್ಧಿ ಎಂದರೇನು?
9. What is Bill of Rights?
ಹಕ್ಕುಗಳ ಯಾದಿ ಎಂದರೇನು?



10. Who is the present Chairman of the Karnataka State Human Rights Commission?
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾನವ ಹಕ್ಕುಗಳ ಆಯೋಗದ ಇಂದಿನ ಅಧ್ಯಕ್ಷರು ಯಾರು?
11. What is the Magna Carta?
ಮಾಗ್ನಾ ಕಾರ್ಟಾ ಎಂದರೇನು?
12. What do you mean by Economic Right?
ಆರ್ಥಿಕ ಹಕ್ಕು ಎಂದರೇನು?

SECTION - B/ವಿಭಾಗ - ಬಿ

Answer **any two** questions of the following :

(2 × 10 = 20)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿರಿ :

13. Explain the rights of third generation.
ಮೂರನೇ ತಲೆಮಾರಿನ ಹಕ್ಕುಗಳನ್ನು ವಿವರಿಸಿರಿ.
14. Discuss the meaning and importance of Human Rights.
ಮಾನವ ಹಕ್ಕುಗಳ ಅರ್ಥ ಮತ್ತು ಮಹತ್ವವನ್ನು ಚರ್ಚಿಸಿರಿ.
15. Explain the importance of Social Justice in the development of Human Rights.
ಮಾನವ ಹಕ್ಕುಗಳ ಅಭಿವೃದ್ಧಿಯಲ್ಲಿ ಸಾಮಾಜಿಕ ನ್ಯಾಯದ ಮಹತ್ವವನ್ನು ವಿವರಿಸಿರಿ.
16. Discuss the importance of Universal Declaration of Human Rights of 1948.
1948ರ ಸಾರ್ವತ್ರಿಕ ಮಾನವ ಹಕ್ಕುಗಳ ಘೋಷಣೆಯ ಮಹತ್ವವನ್ನು ಚರ್ಚಿಸಿರಿ.

SECTION - C/ವಿಭಾಗ - ಸಿ

Answer **any two** questions of the following :

(2 × 15 = 30)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿರಿ :

17. Discuss the rights of First Generation.
ಮೊದಲನೇ ತಲೆಮಾರಿನ ಹಕ್ಕುಗಳನ್ನು ಚರ್ಚಿಸಿರಿ.
18. Discuss the evolution of the concept of Human Rights.
ಮಾನವ ಹಕ್ಕುಗಳ ಪರಿಕಲ್ಪನೆಯ ವಿಕಾಸವನ್ನು ಚರ್ಚಿಸಿರಿ.
19. What are the powers and functions of National Human Rights Commission?
Discuss.
ರಾಷ್ಟ್ರೀಯ ಮಾನವ ಹಕ್ಕುಗಳ ಆಯೋಗದ ಅಧಿಕಾರ ಮತ್ತು ಕರ್ತವ್ಯಗಳಾವುವು? ಚರ್ಚಿಸಿರಿ.
20. Discuss the importance of movements for Civil Rights.
ನಾಗರಿಕ ಹಕ್ಕುಗಳ ಚಳುವಳಿಗಳ ಅಗತ್ಯತೆಯನ್ನು ಚರ್ಚಿಸಿರಿ.