

28-11-18

Paper Code: 8205 (70)

Programme	B.A (Hons.) in English (Sem: I)	B.Sc (Hons.) Agriculture (Sem: I)
Exam Code	107501	108301
Course Code	BOEL-1421	BACL-1421

Course Title: Punjabi Compulsory**Time Allowed: 3 Hours****Max Marks: 40**

Note: ਪਰਚੇ ਦੇ ਚਾਰ ਭਾਗ ਹਨ। ਹਰ ਭਾਗ 'ਚੋਂ' ਇੱਕ ਪ੍ਰਸ਼ਨ ਕਰਨਾ ਲਾਜ਼ਮੀ ਹੈ। ਕੁਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹਨ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ 8 ਅੰਕ ਹਨ।

ਭਾਗ-1

1. 'ਧਰਮੀ ਬਾਬਲ ਪਾਪ ਕਮਾਇਆ' ਕਵਿਤਾ ਵਿੱਚ ਪੇਸ਼ ਕੀਤੇ ਹੋਏ ਵਿਚਾਰਾਂ ਨੂੰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਬਿਆਨ ਕਰੋ।
2. 'ਹਲ ਵਾਹੁਣ ਵਾਲੇ' ਕਵਿਤਾ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਬਿਆਨ ਕਰੋ।

ਭਾਗ-2

3. 'ਤੂਝੀ ਦੀ ਪੰਡ' ਕਹਾਣੀ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਬਿਆਨ ਕਰੋ।
4. 'ਘੋਟਣਾ' ਕਹਾਣੀ ਵਿੱਚ ਮੋਹਨ ਭੰਡਾਰੀ ਕੀ ਕਹਿਣਾ ਚਾਹੁੰਦਾ ਹੈ? ਆਪਣੇ ਵਿਚਾਰ ਦਿਉ।

ਭਾਗ-3

5. ਪੰਜਾਬ ਵਿੱਚ ਅਵਾਰਾਂ ਪਸ਼ੂਆਂ ਦੀ ਸਮੱਸਿਆ ਦਿਨ ਬਦਿਨ ਵੱਧਦੀ ਜਾ ਰਹੀ ਹੈ। ਇਸ ਮੁੱਦੇ 'ਤੇ ਪੈਰਾ ਰਚਨਾ ਕਰੋ।

6. ਨਿਮਨਲਿਖਤ ਪੈਰਾ ਪੜ੍ਹ ਕੇ ਅੱਗੇ ਦਿੱਤੇ ਸਵਾਲਾਂ ਦੇ ਜਵਾਬ ਦਿਉ:

ਆਖਰ ਇੱਕ ਸਾਬੀ ਕੋਲੋਂ ਤਿੰਨ ਰੁਪਏ ਲੈ ਹੀ ਲਏ। ਜਦ ਘਰ ਆਇਆ ਤਾਂ ਕਾਕਾ ਦੁਪਹਿਰ ਦੀ ਨੀਂਦ ਲੈ ਰਿਹਾ ਸੀ। ਰੋਟੀ ਖਵਾਉਂਦੀਆਂ ਹੀ ਸ਼੍ਰੀਮਤੀ ਜੀ ਨੇ ਤਿੰਨ ਰੁਪਏ ਮੁੱਛ ਲਏ। ਅੱਧ ਮਣ ਲੱਕੜੀਆਂ, ਸ਼ਾਮ ਦੀ ਸਬਜ਼ੀ, ਲੂਣ, ਤੇਲ ਆਦਿ ਵਿੱਚ ਕਾਕੇ ਦੇ ਜਾਗਣ ਤੋਂ ਪਹਿਲਾਂ ਤਿੰਨ ਰੁਪਏ ਮੁੱਕ ਗਏ। ਮੈਂ ਕਿਹਾ ਕਿ ਕਾਕੇ ਕੁਲਫੀ ਖਵਾਉਣੀ ਹੈ, ਪਰ ਉਨ੍ਹਾਂ ਕਹਿ ਛੱਡਿਆ, “ਬੜਾ ਉਹਨੂੰ ਯਾਦ ਰਹਿਣੈ। ਮੈਂ ਟੱਕਾ ਦੇ ਛੱਡਾਂਗੀ ਮੁਰਮੁਰ ਲਈ।”

(ੳ) ਇਹ ਪੈਰਾ ਤੁਹਾਡੀ ਪਾਠ ਪੁਸਤਕ ਵਿਚਲੀ ਕਿਹੜੀ ਕਹਾਣੀ ਵਿੱਚੋਂ ਲਿਆ ਗਿਆ ਹੈ ਅਤੇ ਇਸ ਦਾ ਲੇਖਕ ਕੌਣ ਹੈ?

(ਅ) ‘ਮੁਛ ਲਿਆ’ ਤੋਂ ਕੀ ਭਾਵ ਹੈ? ਸ਼੍ਰੀਮਤੀ ਨੇ ਲੇਖਕ ਪਾਸੋਂ ਤਿੰਨ ਰੁਪਏ ਕਿਉਂ ਮੁੱਛੇ?

(ਭ) ਸ਼੍ਰੀਮਤੀ ਕਾਕੇ ਨੂੰ ਕੁਲਫੀ ਖਵਾਉਣ ਦੀ ਥਾਂ ਮੁਰਮੁਰੇ ਲਈ ਟੱਕਾ ਦੇਣ ਦੀ ਬਾਤ ਕਿਉਂ ਕਰਦੀ ਹੈ?

(ਛ) ਲੇਖਕ ਅਤੇ ਉਸਦੀ ਪਤਨੀ ਦੀ ਆਰਥਿਕ ਹਾਲਤ ਕਿਹੋ ਜਿਹੀ ਹੈ?

ਭਾਗ-4

7. ‘ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ’ ਬਾਰੇ ਵਿਸਥਾਰ ਸਹਿਤ ਜਾਣਕਾਰੀ ਦਿਉ।

8. ਭਾਸ਼ਾ ਅਤੇ ਉਪ-ਭਾਸ਼ਾ ਦਾ ਨਿਖੇੜਾ ਕਰਦਿਆਂ ਭਾਰਤੀ ਪੰਜਾਬ ਦੀਆਂ ਉਪ-ਭਾਸ਼ਾਵਾਂ ਦਾ ਪਛਣ-ਚਿੰਨ੍ਹ ਬਿਆਨ ਕਰੋ।

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Paper Code: 8206 (130)

Programme	Course Code	Exam Code
B.A Sem-I	BARL-1031	103201
B.Sc. (Non-Medical) Sem-I	BSNL-1031	103301
B.Sc.(Medical) Sem-I	BSML-1031	103301
B.Sc.(Eco) Sem-I	BECL-1031	103301
B.Sc.(C.Sc) Sem-I	BCSL-1031	103301
B.Com Sem-I	BCRL-1031	108501
BBA Sem-I	BBRL-1031	105401
B.A (JMC) Sem-I	BJML-1031	108701
B.Sc (FD) Sem-I	BFDL-1031	108601
B.Sc(H.Sc) Sem-I	BHSL-1031	108201
BCA Sem-I	BCAL-1031	107201
B.Sc(IT) Sem-I	BITL-1031	105701
B.Sc(BT) Sem-I	BBTL-1031	107401
B.A(Hons.) in English Sem-I	BOEL-1031	107501
B.Sc (Hons.) Agriculture Sem-I	BACL-1031	108301

Course Title: Basic Punjabi

Time Allowed: 3 Hours

Max Marks: 40

Note:

1. ਕੁਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰੋ।
2. ਹਰੇਕ ਭਾਗ ਵਿੱਚੋਂ ਇੱਕ ਪ੍ਰਸ਼ਨ ਲਾਜ਼ਮੀ ਹੈ।
3. ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਸੇ ਵੀ ਭਾਗ ਵਿੱਚੋਂ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ।
4. ਹਰੇਕ ਪ੍ਰਸ਼ਨ ਦੇ ਅੱਠ ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ-ਏ

1. ਪੈਂਤੀ ਅੱਖਰੀ ਬਾਰੇ ਵਿਸਥਾਰ ਸਹਿਤ ਜਾਣਕਾਰੀ ਦਿੰਦੇ ਹੋਏ ਇਹ ਦੱਸੋ ਕਿ ਇਸ ਸਮੇਂ ਇਸਦੇ ਕਿੰਨੇ ਵਰਨ ਹਨ?
2. ਪੈਰ ਬਿੰਦੀ ਵਾਲੇ ਵਰਨ ਕਿਹੜੇ-ਕਿਹੜੇ ਹਨ? ਇਨ੍ਹਾਂ ਦੀ ਵਰਤੋਂ ਨੂੰ ਉਦਾਹਰਨਾਂ ਸਹਿਤ ਸਪੱਸ਼ਟ ਕਰੋ।

ਸੈਕਸ਼ਨ-ਬੀ

3. ਸੰਯੁਕਤ ਸ਼ਬਦ ਬਣਤਰ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੰਦੇ ਹੋਏ ਕੋਈ ਸੰਯੁਕਤ ਸ਼ਬਦ ਬਣਾ ਕੇ ਲਿਖੋ।
4. ਹੇਠ ਲਿਖੇ ਅਗੇਤਰਾਂ ਦੀ ਵਰਤੋਂ ਨਾਲ ਦੋ-ਦੋ ਸ਼ਬਦ ਬਣਾਉ।
(ੳ) ਉਪ (ਅ) ਅਣ
(ੲ) ਕਮ (ਸ) ਨਿਰ

ਸੈਕਸ਼ਨ-ਸੀ

5. ਨਾਨਕੇ ਅਤੇ ਦਾਦਕੇ ਪਰਿਵਾਰ ਨਾਲ ਸੰਬੰਧਿਤ ਚਾਰ-ਚਾਰ ਰਿਸ਼ਤਿਆਂ ਦੇ ਨਾਂ ਲਿਖੋ।
6. ਵਪਾਰਕ ਵਰਤੋਂ ਵਾਲੇ ਕੋਈ ਅੱਠ ਸ਼ਬਦ ਲਿਖੋ।

ਸੈਕਸ਼ਨ-ਡੀ

7. ਪੰਜਾਬ ਦੀਆਂ ਰੁੱਤਾਂ ਦੇ ਨਾਂ ਲਿਖੋ।
8. 41 ਤੋਂ 50 ਤੱਕ ਦੀ ਗਿਣਤੀ ਨੂੰ ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।

281118

Paper Code: 8209 (100)

Programme	Course Code	Exam Code
B.A Sem-I	BARL-1431	103201
B.Sc. (Non-Medical) Sem-I	BSNL-1431	103301
B.Sc.(Medical) Sem-I	BSML-1431	103301
B.Sc.(Eco) Sem-I	BECL-1431	103301
B.Sc.(C.Sc) Sem-I	BCSL-1431	103301
B.Com Sem-I	BCRL-1431	108501
BBA Sem-I	BBRL-1431	105401
B.A (JMC) Sem-I	BJML-1431	108701
B.Sc (FD) Sem-I	BFDL-1431	108601
B.Sc(H.Sc) Sem-I	BHSL-1431	108201
BCA Sem-I	BCAL-1431	107201
B.Sc(IT) Sem-I	BITL-1431	105701
B.Sc(BT) Sem-I	BBTL-1431	107401
B.A(Hons.) in English Sem-I	BOEL-1431	107501
B.Sc (Hons.) Agriculture Sem-I	BACL-1431	108301
B.Com (Hons.) Sem-I	BCOL-1431	109101

Course Title: Punjab History & Culture

Time Allowed: 3 Hours

Max Marks: 40

Note:

- (i) Question paper consist of four units.
- (ii) Attempt five questions in all at least selecting one from each unit.
- (iii) Each question will carry 8 marks

Unit-1

1. Discuss briefly the physical features of the Punjab. 8
2. Write a note on the following as sources of Punjab History and Culture:-
 - a. Vedic Literature
 - b. Accounts of foreign travellers. 4+4=8

Unit-2

3. Discuss the town planning and Architure, art and religion of Harappan civilization. 8
4. Critically discuss the various theories regarding original home of the Aryans. 8

Unit-3

5. Write a note on social and economic life of Rig Vedic people. 8
6. Elaborate the changes in religious and economic life of people in later Vedic age. 8

Unit-4

7. Write a brief note on life and teachings of Lord Bhuddha. 8
8. Discuss the spread and impact of Jainism in Punjab. 8

Hindi Version

नोट :-

- (1) प्रश्न पत्र चार यूनिट पर आधारित है।
- (2) प्रत्येक यूनिट से एक प्रश्न करते हुए कुल पाँच प्रश्नों के उत्तर लिखो।
- (3) प्रत्येक प्रश्न के आठ अंक हैं।

यूनिट-1

1. प्राचीन पंजाब की भूगोलिक विशेषताओं का वर्णन करो। 8
2. निम्नलिखित पर पंजाब के ऐतिहासिक स्रात्रों के रूप में नोट लिखो:- 8
 - (क) वैदिक साहित्य
 - (ख) विदेशी यात्रियों के वृतांत

यूनिट-2

3. हड़प्पा सभ्यता नगर योजना, भवन निर्माण कला, कला धार्मिक जीवन का वर्णन करो। 8
4. आर्यों के मूल निवास-स्थान के बारे में भिन्न-भिन्न सिद्धान्तों का आलोचनात्मक वर्णन करो। 8

यूनिट-3

5. ऋग्वैदिक आर्यों की सामाजिक और आर्थिक जीवन पर नोट लिखो। 8
6. उत्तर वैदिक काल में धार्मिक और आर्थिक जीवन में हुए परिवर्तन का उल्लेख करो। 8

यूनिट-4

7. महात्मा बुद्ध के जीवन और शिक्षाओं पर नोट लिखो। 8
8. जैन धर्म के पंजाब में विकास और प्रभाव का वर्णन करो। 8

6/12 M

Paper Code: 8213 (400)

Programme	Course Code	Exam Code
B.A (JMC) Sem-I	BJML-1102	108701
B.Sc (FD) Sem-I	BFDL-1102	108601
B.Sc(H.Sc) Sem-I	BHSL-1102	108201
BCA Sem-I	BCAL-1102	107201
B.Sc(IT) Sem-I	BITL-1102	105701
B.Sc(BT) Sem-I	BBTL-1102	107401
B.Sc (Hons.) Agriculture Sem-I	BACL-1102	108301
B.Voc(RM) Sem-I	BVRL-1102	111801
B.Voc(MSP) Sem-I	BVML-1102	111601
B.Voc(Animation) Sem-I	BVAL-1102	112201
B.Voc(TDAT) Sem-I	BVTL-1102	111201
B.Voc(NEH) Sem-I	BVNL-1102	111401
B.Voc(B&W) Sem-I	BVBL-1102	113801

Course Title: Communication Skills in English**Time : 3 Hours****Marks : 40**

1. Note : Attempt 5 questions in all, selecting one question from each section and the fifth from any section. Each question carries 8 marks.

2. Write legibly.

Section A

1. What do you understand by the meaning, definition and process of communication? Discuss in detail.

Or

Explain Intensive Reading skills.

8

Section B

2. Read the following passage and answer the questions in multiple choice form. Mark (v) in front of the right answer.

When I go into a stranger's library, I wander round the book-shelves to learn what sort of a person the stranger is and when he comes in, I feel that I know the key to his mind and the range of his interests. A house without books is a characterless house, no matter how rich

the persian rugs and how elegant. The settees and the ornaments may be. The persian rugs only tell you that he has got money, but the books tell you he has got a mind as well. It is not the question of money that we don't buy books. I repeat that books are the cheapest as well as the best part of the equipment of a house. You can begin your library with the expenditure of a couple of shillings. Nearly all the best literature in the world is at our command at two shillings a volume. For five pounds, you can get a library of fifty books. Even if you don't read them yourself, they are a priceless investment for your children. what delight is there like the revelation of books, the sudden impact of a master-spirit, the sense of window flung wide open on the universe! It is these adventures of the mind, The joy of which does not pass away, that gives the adventure of life itself, beauty and fragrance.

1. The narrator learns about the stranger's interest when :

- a) he enters the library
- b) he looks at the bookshelves
- c) he picks up some books
- d) he sees the stranger

2. What distinguishes a house and its owner?

- a) the rich persian rugs
- b) gorgeous settees
- c) costly ornaments
- d) presence of books

3. Mark the correct statement :

- a) Buying books is very costly.
- b) Books are the best part of a house.
- c) The best literature in the world costs two shillings.
- d) A library of fifty books will cost less than five pound.

4. Which of the following is not an adventure of the mind?

- a) immediate effect of great writers
- b) experience of delight by reading books
- c) glimpse of the whole universe

d) Valuable investment for the children

5. What does an adventure mean?

a) Courage

b) an unusual, exciting event

c) enterprise

d) guess

$$1\frac{1}{2} + 1\frac{1}{2} + 1\frac{1}{2} + 1\frac{1}{2} + 2 = 8$$

3. Read the following passage and answer the questions that follow:

One of the greatest advances in modern technology has been the invention of computer. They are already widely used in industry and in universities. Now there is hardly any sphere of human life where computer have not been pressed into the service of man. We are heading fast towards a situation when a computer will be as much part of man's daily life as a telephone or calculator.

Computer are capable of doing extremely complicated work in all branches of learning. They can solve the most complex mathematical problems or put thousands of unrelated facts in order. These machine can be put to varied uses. For instance, they can provide information on the best way to prevent traffic accidents, or they can count number of times the word "and" has been used in the Bible. Because they work accurately and at high speeds, they save research workers years of hard work. This whole process by which machines can be used to work for us has been called "automation." In the future automation may enable human beings far more leisure than they do today. The coming of automation is bound to have important social consequences.

Some years ago an expert on automation, Sir Leon Bagrit, pointed out that it was a mistake to believe that these machines could "think". There is no possibility that human beings will be "controlled" by machines. Though computer are capable of learning from their mistakes and improving on their performance, the need detailed instructions from human beings to be able to operate. They can never, as it were, lead independent lives or "rule the world" by making decisions of their own.

1. Why does the writes call computers the greatest invention of modern technology?

2. Give examples of the various uses to which the computer can be put.

3. What is automation?
4. What is the theory of Sir Leon Bagrit?
5. Will computers over "rule the world?"
6. Give the meaning of

i) Sphers ii) consequence iii) Performance

5+3 = 8

Section C

4. What are the basics of effective writing?
5. What are the principles of business letters?

8

Section D

6. Explain in detail the importance of preparing a resume.
7. Write a note on minutes of the meeting.

8

08/12/18

Paper Code: 8215 (950)

Programme	Exam Code
B.A.	103201
B.Sc. Non-Medical	103301
B.Sc. Med.	
B.Sc. Eco.	
B.Sc. C.Sc.	
B.Com.	108501
BBA	105401
B.A. (JMC)	108701
B.Sc. (FD)	108601
B.Sc (H.Sc.)	108201
BCA	107201
B.Sc.(IT)	105701
B.Sc.(BT)	107401
B.A. (Hons.) in English,	107501
B.Sc (Hons.) Agriculture)	108301
B.Com (Hons.)	109101
B.Voc Retail Mgmt.	111801
B.Voc MSP	111601
B.Voc Animation	112201
B.Voc TDAT	111201
B.Voc NEH	111401
B.Voc Beauty & Wellness	113801

Course Code : AECD 1161

Course Title: Drug Abuse

Time Allowed: 3 Hours

Max Marks: 40

Note : Attempt 5 question one from each section & fifth question from any of the sections. Each question carries 8 marks.

Section A

1. What is drug abuse? What is the status of Punjab in this aspect? 8
2. Discuss major reasons of drug abuse and its demand in Punjab 8

Section B

3. How drug abuse effects the personal life of an individual?
4. Write notes on :
 - a) Crime rate in society increases due to drugs.
 - b) The drug abuses are burden on nation, explain.

Section C

5. Define drug relapse management what are its types?
6. Discuss medical treatment of drug abuse.

Section D

7. What are various types of therapies used to assist drug de-addiction. Discuss any one in detail.
8. Discuss the role of family in drug de-addiction.

Punjabi Version

ਨੋਟ : ਕੁਲ ਪੰਜ ਪ੍ਰਸ਼ਨ ਕਰੋ। ਹਰ ਇਕ ਸੈਕਸ਼ਨ ਵਿਚੋਂ ਇਕ ਪ੍ਰਸ਼ਨ ਚੁਣਨਾ ਹੈ। ਪੰਜਵਾਂ ਪ੍ਰਸ਼ਨ ਕਿਤੋਂ ਵੀ ਕਰੋ। ਹਰ ਸਵਾਲ 8 ਨੰਬਰ ਦਾ ਹੈ।

ਸੈਕਸ਼ਨ - ਓ

1. ਨਸ਼ਾ ਦੁਰਵਰਤੋਂ ਕੀ ਹੈ ? ਪੰਜਾਬ ਵਿਚ ਇਸ ਦੀ ਸਥਿਤੀ ਬਾਰੇ ਲਿਖੋ। (8)
2. ਨਸ਼ਾਖੋਰੀ ਦੇ ਕਾਰਨਾਂ ਬਾਰੇ ਵਿਸਥਾਰ ਵਿਚ ਲਿਖੋ ਅਤੇ ਪੰਜਾਬ ਵਿਚ ਇਸ ਦੀ ਮੰਗ ਦੇ ਕਾਰਨ ਲਿਖੋ। (8)

ਸੈਕਸ਼ਨ - ਅ

3. ਨਸ਼ਾਖੋਰੀ ਇਕ ਵਿਅਕਤੀ ਦੇ ਨਿੱਜੀ ਜੀਵਨ ਨੂੰ ਕਿਵੇਂ ਪ੍ਰਭਾਵਿਤ ਕਰਦੀ ਹੈ ? (8)
4. ਹੇਠ ਲਿਖਿਆਂ ਤੇ ਨੋਟ ਲਿਖੋ :
 - (1) ਨਸ਼ਾਖੋਰੀ ਕਰਕੇ ਸਮਾਜ ਵਿਚ ਜੁਰਮ ਵੱਧਦਾ ਹੈ
 - (2) ਨਸ਼ੇੜੀ ਦੇਸ਼ ਉੱਤੇ ਇਕ ਬੋਝ ਹਨ, ਵਿਸਥਾਰ ਕਰੋ (8)

ਸੈਕਸ਼ਨ - ਏ

5. ਨਸ਼ਾ ਮੁੜ ਵਰਤੋਂ ਤੋਂ ਬਚਣ ਦੇ ਪ੍ਰਬੰਧਨ ਕੀ ਹੈ ? ਇਸ ਦੀਆਂ ਕਿਸਮਾਂ ਵਿਸਥਾਰ ਵਿਚ ਲਿਖੋ। (8)
6. ਨਸ਼ਾਖੋਰੀ ਦੇ ਮੈਡੀਕਲ ਪ੍ਰਬੰਧਨ ਬਾਰੇ ਲਿਖੋ।

ਸੈਕਸ਼ਨ - ਸ

7. ਵਿਭਿੰਨ ਪ੍ਰਕਾਰ ਦੀਆਂ ਨਸ਼ਾ ਛੜਾਉ ਥੈਰੇਪੀਆਂ ਬਾਰੇ ਦੱਸੋ। ਕਿਸੇ ਇਕ ਬਾਰੇ ਵਿਸਥਾਰ ਕਰੋ। (8)
8. ਨਸ਼ਾ ਛੜਾਉਣ ਵਿਚ ਪਰਿਵਾਰ ਕਿਵੇਂ ਸਹਾਈ ਹੋ ਸਕਦਾ ਹੈ - ਲਿਖੋ। (8)

Hindi Version

नोट : कुल पांच प्रश्न करें। हर भाग में से एक प्रश्न जरूरी है। पांचवां प्रश्न कहीं से भी करें। प्रत्येक प्रश्न 8 नंबर का है।

भाग क

1. नशाखोरी क्या है? पंजाब में नशाखोरी की स्थिति का उल्लेख करें। 8
2. पंजाब में नशाखोरी के मुख्य कारण तथा उसकी मांग का वर्णन करें। 8

भाग ख

3. नशाखोरी व्यक्ति के निजी जीवन को किस प्रकार प्रभावित करती है। 8
4. निम्नलिखित पर नोट लिखें :-
 1. नशाखोरी के कारण समाज में बढ़ते अपराध। 8
 2. नशाखोरी देश पर एक बोझ हैं। विस्तार कीजिए। 8

भाग ग

5. नशे के दोबारा प्रयोग से बचने के प्रबन्धन क्या हैं और इसकी किसमों का वर्णन करें। 8
6. नशाखोरी के मैडीकल प्रबन्धनों का उल्लेख कीजिए। 8

भाग घ

7. नशा छुड़ाने के लिए विभिन्न चिकित्साओं (therapies) कौन सी है? किसी एक का विस्तार करें। 8
8. नशा छुड़वाने में परिवार किस प्रकार सहयोगी हो सकता है। 8

24-11-18

Exam Code: 108301

Paper Code: 8313 (50)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: Fundamentals of Horticulture

Course Code: BACM-1013

Time Allowed: 3 Hours

Max Marks: 40

Instructions to candidate

Candidates are required to attempt five questions, select atleast one question from each section. The fifth question may be attempted from any section.

Section - A

- Q1. a) Write the importance and scope of fruit cultivation in Punjab. (3+3+2)
 b) Write the suitable soil properties for the orchards establishment.
 c) Differentiate between followings;
 i) Sericulture vs Olericulture
 ii) Hisperidium vs Aggregate fruit
- Q 2. a) Discuss the different fruit growing zones of India on the basis of climate and also write the name of fruits grown in these regions. (3+3+2)
 b) Discuss the role of horticulture in diversification of agriculture.
 c) Write the family and botanical name of Mango and Peach.

Section - B

- Q 3. a) Explain the method of tongue grafting with diagram. (3+3+2)
 b) Explain the methods used to break the seed dormancy in fruit crops.
 c) Differentiate between followings;
 i) Heading back vs Thinning
 ii) Hardwood cuttings vs Soft wood cuttings.
- Q 4. a) If rootstock thickness is more than scion wood than which method of grafting is suitable. Explain the method in detail with diagram. (3+3+2)
 b) How wind breaks are necessary for an orchard. Enlist important wind breaks for orchards.
 c) Write objectives of training and pruning in fruit plants.

Section - C

- Q.5 a) Explain the role of genetic and environmental factors in unfruitfulness. (3+3+2)
 b) How juvenility period can be reduced by cultural practices.
 c) Differentiate between followings;
 i) Pollinizers vs pollination
 ii) Unfruitfulness vs parthenocarpy
- Q. 6 a) Write the factors effecting the fertilization in fruit crops. (3+3+2)
 b) Explain the significance of pollinizers in fruit crops.
 c) Define flower bud differentiation and write the time of flower bud differentiation in pear.

27/11/18

Exam Code: 108301

Paper Code: 8314 (50)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: Fundamentals of Plant Pathology

Course Code: BACM-1074

Time Allowed: 3 Hours

Max Marks: 40

NOTE

Attempt any five questions, selecting at least one question from each Section (A-D).
The fifth question may be attempted from any section

Section-A

- Q.No.1** Define the following terms: (Any four) (2x4)
1. Obligate parasite
 2. Inoculum
 3. Haustoria
 4. Incubation period
 5. Hypersensitivity
- Q.No.2** Write down the important characteristics of following plant pathogenic organisms, give examples of plant diseases caused by them. (Any two) (2x4)
1. Fastidious Vascular Bacteria
 2. Phytoplasmas
 3. Viruses

Section-B

- Q.No.3** Explain the following: (Any two) (2x4)
1. Classification of the family Peronosporaceae
 2. Different methods of sexual reproduction in fungi
 3. Methods of transmission of plant viruses
- Q.No.4** Differentiate the following: (Any two) (2x4)
1. Downy mildew and Powdery mildew
 2. *Rhizopus* and *Mucor*
 3. *Xanthomonas* and *Erwinia* species

Section-C

- Q.No.5** Write short note on the following: (Any two) (2x4)
1. Pre-existing structural defense mechanism in plants
 2. Toxins and their role in plant pathogenesis
 3. Autonomous, direct or active dispersal of plant pathogens
- Q.No.6** Differentiate the following: (Any two) (2x4)
1. Toxins and Enzymes
 2. Alternate and Collateral hosts
 4. Seed infection and Seed infestation

Section-D

- Q.No.7** Describe different physical methods of plant disease management along with appropriate examples. (8)
- Q.No.8** Describe systemic fungicides, give common and trade names of commonly used systemic fungicides along with the names of plant diseases managed by them. (8)

Exam Code : 108301**Paper Code : 8315 (50)****Programme : B.Sc.(Hons.) Agriculture Sem-I****Course Title : Fundamentals of Soil Sciences****Course Code : BACM-1015****Time Allowed : 3 Hours****Max Marks : 40**

Attempt five questions in all. Select one question from each section (A-D). Do one question from any section.

SECTION-A

Ques.1 Explain the followings (4x2 = 8)

- (a) Soil as a natural body
- (b) Edaphological concept of soil
- (c) Soil genesis
- (d) Active soil forming factors.

Ques.2 (a) Describe different soil horizons of soil profile with the help of diagram (5)

- (b) Give classification of igneous rocks based on mode of their origin. (3)

SECTION-B

Ques.3 (a) Describe textural classification proposed by US department of agriculture. (3)

- (b) What is soil consistence? Describe consistence at different moisture level. (5)

Ques.4 (a) Differentiate between bulk density and particle density (2)

- (b) Define soil porosity. Describe the factors affecting soil porosity (6)

SECTION-C

Ques.5 Explain the following (4x2 = 8)

- (a) Soil colloids
- (b) Cation exchange capacity
- (c) Base saturation
- (d) Soil buffering

Ques.6 Define soil temperature. Discuss different factors affecting soil temperature. (8)

SECTION-D

Ques.7 Explain beneficial and harmful effects of soil organism. (8)

Ques.8 Give harmful effects of pesticides on soil and its mitigation measures (8).

Exam Code: 108301

Paper Code: 8316 (50)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: Introduction to Forestry

Course Code: BACM-1016

Time Allowed: 3 Hours

Max Marks: 40

Attempt five questions. One question from each of the four Sections is compulsory.

Section A

- Q 1. Define Forest and forestry. Give various basis of classification of forests. (5)
- Q 2. Why the National Forest Policy 1952 was formulated. Give various features of the policy. (5)

Section B

- Q 3. Define forest regeneration. Write the importance of vegetative propagation in commercial forestry. Discuss various methods of vegetative propagation of forest trees. (5)
- Q 4. Write short notes on
- i) Factor affecting seed germination (1.5)
 - ii) Micro-propagation in forest trees (1.5)
 - iii) Status of Exotics in India (2)

Section C

- Q 5. Define thinning. Discuss various types of thinning in detail. (5)
- Q 6. Write short notes on
- i) Measurement of tree height with pole method (2)
 - ii) Form factor (1)
 - iii) What is quarter girth method? Give its merits. (2)

Section D

Q 7. Define tree-crop interaction. Discuss commercial Agroforestry models of Punjab. Write important practices of successful poplar cultivation. (5)

Q 8. Write short notes on

- | | | |
|------|---------------------|-------|
| i) | Taungya cultivation | (1.5) |
| ii) | Home gardens | (1.5) |
| iii) | Wind breaks | (1.0) |
| iv) | Shelterbelts | (1.0) |

11/12/18
Exam Code: 108301

Paper Code: 8317 (50)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: **Fundamentals of Agronomy**

Course Code: BACM-1017

Time Allowed: 3 Hours

Max Marks: 40

Instructions to candidate

Candidates are required to attempt five questions, select atleast one question from each section. The fifth question may be attempted from any section.

Section-I

- Q-1 What do you understand from term Agronomy in Agricultural Science? Discuss the scope of agronomy in India. (8)
- Q-2 Define Tillage, its types and discuss minimum tillage in term of their merits and demerits. (8)

Section-II

- Q-3 What do you understand from term water resources under irrigation water management? Discuss the India water resources. (8)
- Q-4 Write briefly about: a) Water use efficiency
b) Quality of irrigation water (4+4)

Section-III

- Q-5 Define Weedicides. Discuss the different methods to control the weeds. (8)
- Q-6 Write briefly about: a) Crop- Weed Competition
b) Allelopathy (4+4)

Section-IV

Q-7 Define Crop Rotation, Cropping Scheme and Cropping Intensity. Discuss principles, advantages and limitations of crop rotation. (8)

Q-8 Write briefly about: a) Plant Ideotype

b) Crop Management Technologies in problematic areas (4+4)

Exam Code: 108301

Paper Code: 8318 (50)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: Rural Sociology and Educational Psychology

Course Code: BACL-1018

Time Allowed: 3 Hours

Max Marks: 40

Note:

(Answer five questions seeking at least one question from each section)

Unit – I

- | | | |
|----|-------------------------------------------------------------------------------------------------|----|
| I. | Role of Rural Sociology in agricultural extension? | 08 |
| II | a) Differentiate Sociology and Rural Sociology? What is Social Ecology? Explain it with example | 04 |
| | b) What is the role of social groups in Rural Development? | 04 |

Unit – II

- | | | |
|-----|---------------------------------------------------------------------------------------------------|----|
| III | a) Explain the role of social groups in society. Differentiate between urban and rural sociology. | 04 |
| | b) What is society? Explain the structural & functional elements of society. | 04 |
| IV | a) What is social stratification? Explain the different parameters which divide the society. | 05 |
| | b) Explain social mobility, culture and beliefs. | 03 |

Unit – III

V	Explain functions of social institution in transfer of technology.	08
VI	a) Differentiate between Organization and an Institution.	04
	b) Explain the Qualities of a good leader.	04

Unit – IV

VII	a) What is motivation? Explain the Maslow's theory of self satisfaction.	04
	b) Write a note on cognitive, affective and psychomotor domains	04
VIII	a) Define leadership and explain any two theories of leadership.	04
	b) Define the following terms Personality analysis, Democratic leader, Intelligence, Social change and Behaviour.	04

15/12/18
Exam Code: 108301

Paper Code: 8319 (50)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: **Introductory Biology**

Course Code: BACM-1059

Time Allowed: 3 Hours

Max Marks: 25

Note: Attempt five questions in all, selecting at least one question from each section.
Fifth question may be attempted from any section.

SECTION-A

1. (a) What are Homologous organs? By giving two examples explain them. (3)
(b) Define Natural selection. Explain the phenomenon on Industrial Melanism. (2)
2. (a) Comment on diversity of life. (2)
(b) Explain in detail Stanley Miller Experiment to prove the formation of complex organic compounds in origin of life. (3)

SECTION-B

3. (a) What is Binomial Nomenclature? Give Example. (2)
(b) Differentiate between plant cell and animal cell. (2)
(c) Differentiate between Karyokinesis and Cytokinesis. (1)
4. (a) What is cell cycle? Why it is called so. (2)
(b) Give diagrammatic representation of different stages of Mitosis. (3)

SECTION-C

5. (a) Draw diagram of Monocotyledon seed. (3)
(b) Comment on characteristics of leaf. (2)
6. (a) Draw and describe the zones or regions of a typical root. (3)
(b) Differentiate between Calyx and Corolla. (1)
(c) Differentiate between Stamen and Carpel. (1)

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SECTION-D

7. (a) Give floral formula of Brassicaceae and comment. (2)
(b) Draw floral diagram of Fabaceae. (3)
8. (a) Describe the role of two animals in agriculture. (4)
(b) Give floral formula of Poaceae. (1)

Exam Code: 108301

Paper Code: 8320 (30)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: Elementary Mathematics

Course Code: BACL-1339

Time Allowed: 3 Hours

Max Marks: 40

Instructions:

Attempt five questions, in all selecting at least one question from each section.

The Fifth question may be attempted from any section.

Each question carries equal marks.

Section-A

1. a) A line passes through the point (3,4) and sum of its intercepts on the axes is 14. Find its equation. 4
- b) Prove that the points (3,0), (2,-2) and (8,2) are collinear. Find the equation of line on which they lie. 4
2. a) Find the area of the triangle formed by the lines $x+y=0$, $x-y=0$ and $x=5$. 4
- b) if the lines $y=3x+1$ and $2y=x+3$ are equally inclined to the line $y=mx+4$, find the value of m . 4

Section-B

3. a) Find the equation of circle whose ends of diameter are (3,4) and (-3, -4). 4

b) Find the equation of the circle concentric with the circle $2x^2 + 2y^2 - 6x + 8y + 1 = 0$ and double of its radius. 4

4. Find the equation of the circle through the points (5,7), (6,6) and (2,-2). Also find its centre and radius. 8

Section-C

5. a) Find the value of k for which the function $f(x) = \begin{cases} \frac{x^2-4}{x-2} & ; x \neq 2 \\ k & ; x = 2 \end{cases}$ is continuous at the point $x=2$ 3

- b) If $y = \frac{ax+b}{cx+d}$, find $\frac{dy}{dx}$ 2

- c) Evaluate $\lim_{x \rightarrow a} \frac{1+x}{x-a} \cdot \frac{x^3-a^3}{x-a}$ 3

6. a) If $y = \log(x + \sqrt{x^2 + a^2})$, prove that

$$\frac{dy}{dx} = \frac{1}{\sqrt{x^2 + a^2}}$$

- b) Evaluate $\int (x^2 - 1)^{1/3} x^5 dx$ 4

Section-D

7. a) If $A = \begin{pmatrix} 0 & 0 & 1 \\ 0 & 1 & 0 \\ 1 & 0 & 0 \end{pmatrix}$, find A^2 . Hence find A^6 4

- b) if $A = \begin{pmatrix} 1 & 3 & 5 \\ -6 & 8 & 3 \\ -4 & 6 & 5 \end{pmatrix}$, prove that $(A+A')$ is a symmetric matrix and $(A-A')$ is a skew-symmetric matrix, where A' denotes transpose of A. 4

8. a) Prove that $\begin{vmatrix} 1 & 1 & 1 \\ a & b & c \\ a^2 & b^2 & c^2 \end{vmatrix} = (a-b)(b-c)(c-a)$, by using properties of determinants. 4

- b) Find the inverse of the matrix

$$A = \begin{pmatrix} 2 & 2 & 1 \\ 1 & 0 & 2 \\ 2 & 1 & 2 \end{pmatrix}$$

4

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Exam Code: 108301

Paper Code: 8321 (50)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: Agriculture Heritage

Course Code: BACL-1010

Time Allowed: 3 Hours

Max Marks: 25

Instructions:

Attempt five questions each carrying equal marks, in all selecting at least one question from each section.

The Fifth question may be attempted from any section.

(MM:25, Theory:20, CA: 5)

Section-A

1. Define History, Heritage and agriculture heritage?
2. Define the importance of agriculture heritage?

Section-B

3. Define present status of Indian agriculture?
4. Explain history of agriculture.

Section-C

5. Define agriculture? Explain its need and scope?

6. Explain crop production through indigenous traditional knowledge?

Section-D

7. Explain importance of crop plant classification?
8. Explain agronomic classification of crops?

Exam Code: 108301

Paper Code: 8322 (50)

Programme: B.Sc. (Hons.) Agriculture Sem-I

Course Title: Human Values and Ethics

Course Code: SECH-1543

Time Allowed: 3 Hours

Max Marks: 80 40

Note:- All questions carry equal marks (8 each). Candidates are required to attempt five questions, selecting at least one question from each section/unit. The fifth question may UNIT I be attempted from any section/unit.

Question 1:

- i. Expand the abbreviations SVDD, SSDD and SSSS and discuss their significance. (1.5) 2
- ii. Physical facilities are necessary but not complete for human beings. Comment on this statement and support your answer with suitable example. (2) 4
- iii. What is the importance of ethics and values in human life? (1.5) 2

Question 2:

- i. What do you mean by happiness and prosperity? (1) 2
- ii. Critically examine the prevailing notions of happiness and prosperity and their consequences. (2) 3
- iii. How does value education helps in fulfilling aspirations of the human beings? (2) 3

UNIT II

Question 1:

- i. Trust is the foundation value of relationships. Comment giving suitable examples. (1.5) 2
- ii. Discuss the concept of competence in professional ethics. What are its implications in industry? (2) 4
- iii. What can be done to make people more sensitive towards senior citizens? (1.5) 2

Question 2:

- i. Explain the ethical human conduct in terms of value, policies and character quoting suitable examples. (2) 4
- ii. Feeling of love forms the basis of an undivided society. Explain with appropriate example. (1.5) 2
- iii. Define harmony in nature. How can it be created? (1.5) 2

UNIT III

Question 1:

- i. Differentiate between spirituality and scientific temper. (2) 4
- ii. Discuss the concept of value conflicts. What are its implications on the society? (1.5) 2
- iii. Right understanding in the individuals is the basis for harmony in the family. Comment (1.5) 2
giving suitable examples.

Question 2:

- i. Discuss the role of different values in maintaining human relationship. (2) 4
- ii. What skills can you develop from team volunteering? (1.5) 2
- iii. How important is the road safety and what are its implications on the society? (1.5) 2

UNIT IV

Question 1:

- i. Briefly describe the role of family, friends and teachers in sensitization against drug abuse. (2.5) 4
- ii. What are the implications of prolonged exposure to anger and stress? (2.5) 4

Question 2:

- i. Discuss the different elements of SWOT analysis giving suitable examples. (2.5) 4
- ii. Why it is important to conduct a personal SWOT analysis? How can it be conducted? (2.5) 4